Form 3160-3 (August 1999) UNITED ST DEPARTMENT OF T BUREAU OF LAND M APPLICATION FOR PERMIT	TER	FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000 5. Lease Scrial No. UTU-0577-A 6. If Indian, Allottec or Tribe Name				
1a. Type of Work: X DRILL	REENTER	 		7. If Unit or CA Agreement, Name and No.		
				NATURAL	BUTTES U	<u>NIT</u>
b. Type of Well: Oil Well X Gas Well Other		Single Zone	Multiple Zonc		уен No. Ј 920-26F	
2. Name of Operator				9. API Well No.	13-047-31	2015
WESTPORT OIL & GAS COMPANY, L.P. 3A. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078	1	o. (include area co (435) 781-7		10. Field and Pool, o NATUR	or Exploratory AL BUTTE:	S
4. Location of Well (Report location clearly and in accordance At surface SENW 1997' FNL 2053' FWL 41 At proposed prod. Zone	with any State req 6509 X 129331 Y	40.00.	8030 34978	·	6-T9S-R20E	
14. Distance in miles and direction from nearest town or post off 9.6 MILES SOUTHEAST OF OURAY, UTAH	ice*			12. County or Parisl UINTAH	1 13.	UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. TOPO	20 TO 19. Propose	O91.18 d Depth 0125'	17. Spacing Unit de 20. BLM/BIA Bond	. 40		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4837.7' GL	22. Approxi	imate date work wi UPON APPRO		23. Estimated durati	ion ETERMINE	ED
	24. <i>A</i>	Attachments				
The following, completed in accordance with the requirements of	Onshore Oil and					
 Well plat certified by a registered surveyor. A Drilling Plan. 		Item 20 ab	ove).	nless covered by an exi	sting bond on fi	le (see
 A Surface Use Plan (if the location is on National Forest Syste SUPO shall be filed with the appropriate Forest Service Office 		Operator ce Such other authorized	site specific informati	on and/or plans as may	be required by	the
25. Signature	Nat	me (Printed/Typed)			Date	
Title Domesica	CIATE ENV		EBRA DOMENI	CI	8/17/2	2005
Approved by (Sterkinge)	! Nai	IRONMENTA me (Printed/Typed, DLEY G. H)		Date	ZS-DS

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

ENVIRONMENTAL SCIENTIST III

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

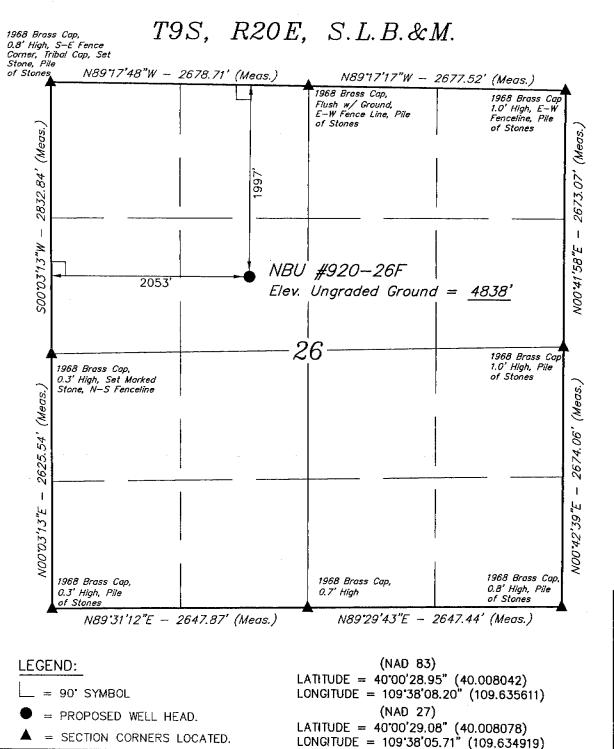
*(Instructions on reverse)

RECEIVED

AUG 1 9 2005

Federal Approval of this Action is Necessan

DIV. OF OIL, GAS & MINING



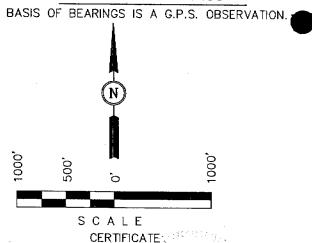
WESTPORT OIL AND GAS COMPANY, L.P.

Well location, NBU #920—26F, located as shown in the SE 1/4 NW 1/4 of Section 26, T9S, R20E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLEF

REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'		DATE SURVEYED: 05-31-05	DATE DRAWN: 06-16-05
PARTY B.B. J.M. L.K.		REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE WESTPOR	T OIL AND GAS	COMPANY, L.P.

NBU #920-26F SENW Sec. 26, T9S,R20E UINTAH COUNTY, UTAH UTU-0577-A

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	Depth
Uinta	0- Surface
Green River	1850'
Wasatch	5225'
Mesaverde	8210'
TD	10125'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Substance	<u>Formation</u>	<u>Depth</u>
	Green River	1850'
Gas	Wasatch	5225'
Gas	Mesaverde	8210'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 10125' TD, approximately equals 4050 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1822.5 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

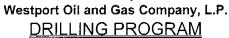
9. <u>Variances:</u>

Please see Natural Buttes Unit SOP.

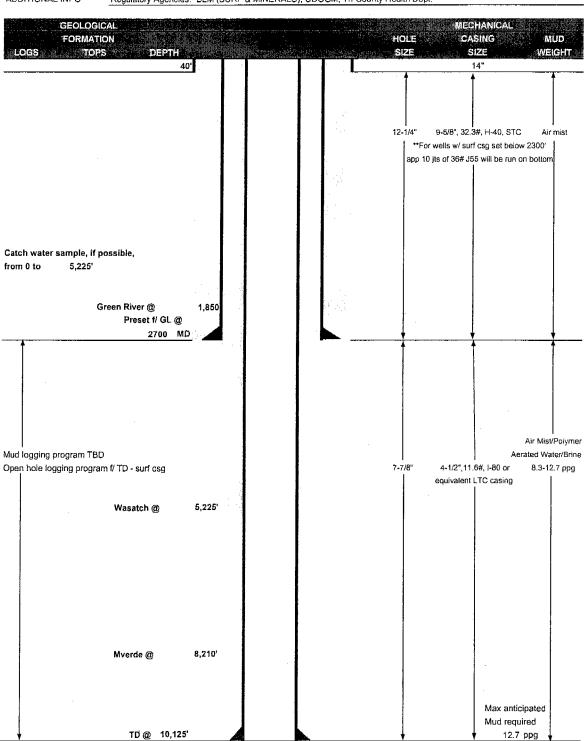
10. Other Information:

Please see Natural Buttes Unit SOP.





COMPA	V AMAN Y	estport Oil :	and Gas Co., L.F	ο,		DAT	TE	August 3	, 2005		
WELL NA	AME N	BU 920-2	26F			TD		10,125	MD/TVD		
FIELD	Natural Buttes		COUNTY Uint	ah	STATE	Utah		LEVATION	4,838' GL	KE	3 4,853'
SURFAC	E LOCATION	SENW SE	CTION 26-T9S-F	R20E 1997'F	NL & 205	53'FWL				BHL	Straight Hole
		Latitude:	40.008042	Longitude	: 109	9,635611					
OBJECT	IVE ZONE(S)	Wasatch/N	/lesaverde								
ADDITIO	NAL INFO	Regulatory	Agencies: BLM	(SURF & M	INERALS), UDOGM.	Tri-Cou	nty Health De	ept.		





Westport Oil and Gas Company, L.P. DRILLING PROGRAM

CASING PROGRAM

									ESIGN FACT	
	SIZE	Ī	VTERV,	AL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	14"		0-40'							
								2270	1370	254000
SURFACE	9-5/8"	0	to	2300	32.30	H-40	STC	0.51*****	1.27	3.33
							ł	3520	2020	564000
	9-5/8"	2300	to	2700	36.00	J-55	STC	1.02*****	1.60	7.39
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	10125	11.60	1-80	LTC .	1.74	0.95	1.96

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 12.7 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

4459 psi MASP

Burst SF is low but csg is stronger than formation at 2700 feet

Burst SF is low but csg is stronger than formation at 2700 feet.

EMW @ 2700 for 2270# is 16.2 ppg or 0.8 psi/ft

CEMENT PROGRAM

	FT OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1		+ .25 pps flocele				
TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt	100		15.60	1.18
		+ 2% CaCl + .25 pps flocele	1.1			
TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surfac	e, option 2	will be uti	lized	
Option 2 LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite	230	35%	11.00	3.82
		+.25 pps Flocele + 3% salt BWOC				
TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
		+ .25 pps flocele			İ	
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	4,725'	Premium Lite II + 3% KCI + 0.25 pps	520	60%	11.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender				
	1					i
TAIL	5,400'	50/50 Poz/G + 10% salt + 2% gel	1510	60%	14,30	1.31
		+ 1% R-3			4	

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.	
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.	

ADDITIONAL INFORMATION

3OPE: 11" 5M with one annular and 2 ram	s. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder &
tour sheet. Function test rams on each trip.	Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper
& lower kelly valves.	
Drop Totco surveys every 2000'. Maximum	allowable hole angle is 5 degrees.

DRILLING SUPERINTENDENT:

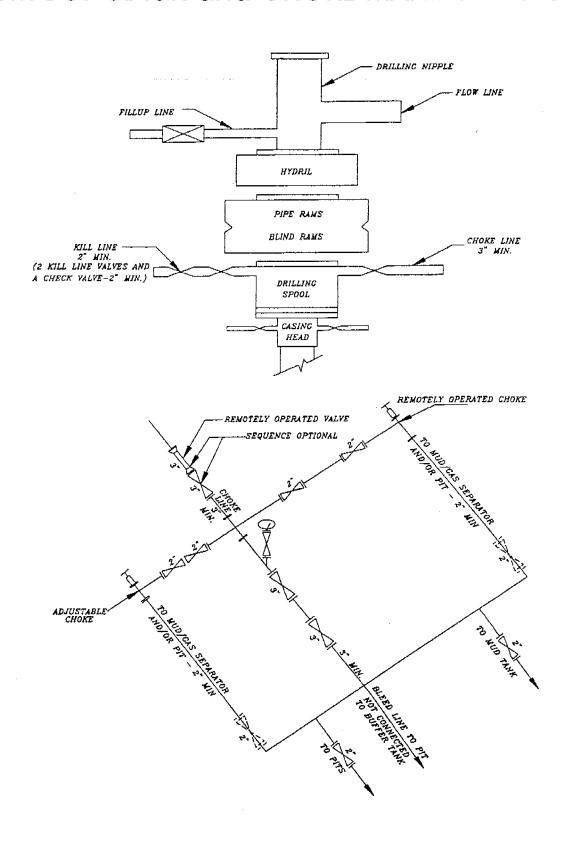
Randy Bayne NBU920-26F_I80_APD(pipeline).xls

Brad Laney

DATE:

^{*}Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU #920-26F SENW SEC 26-T9S-R20E UINTAH COUNTY, UTAH UTU-0577-A

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the NBU #920-26F on 8/9/05, for the subject well.

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 0.1 miles new access road is proposed. Refer to Topo Map B.

3. <u>Location of Existing Wells Within a 1-Mile Radius</u>

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities

Please see the Natural Buttes Unit SOP.

Refer to Topo Maps D and D1 for the location of the proposed pipelines.

Variances to Best Management Practices (BMPs) Requested:

Approximately 570' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurate bedrock, such as sandstone, is at or within 2 feet of the surface.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. <u>Methods of Handling Waste Materials</u>

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (Request is in lieu of filing Form 3160-5, after initial production).

8. Ancillary Facilities:

Please see the Natural Buttes SOP.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads. The hillside on the northwest side of the pit will be avoided.

As per previous onsite discussion, a 20 mil reserve pit liner with felt will be used.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be resurveyed and a form 3160-5 will be submitted.

10. Plans for Reclamation of the Surface:

Please see the Natural Buttes SOP.

The following seed mixture will be used to reclaim the surface. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for *drilled* seed are:

Scarlet Globe Mallow 4 lbs.
Gardiner Saltbush 4 lbs.
Crested Wheatgrass 4 lbs.

The topsoil shall be spread on the location where practical and reseeded one time.

11. Surface Ownership:

The well pad and access road are located on lands owned by:

United States of America Bureau of Land Management 170 South 500 East Vernal, UT 84078 (435)781-4400

12. Stipulations:

Wildlife Stipulations:

Antelope Stipulations:

No construction from May 15 through June 20. A variance may be granted upon request.

13. Other Information:

A Class III archaeological survey and a paleontological survey have been performed and will be filed when received.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operator's Representative & Certification:

Debra Domenici Associate Environmental Analyst Wesport O&G Co. 1368 South 1200 East Vernal, UT 84078 (435) 781-7060 Randy Bayne Drilling Manager Westport O&G Co. 1368 South 1200 East Vernal, UT 84078 (435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Westport O&G Co. is considered to be the operator of the subject well. Westport O&G Co. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bold #CO-1203.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Delin Domenica	8/17/ <u>2</u> 005
Debra Domenici	Date

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #920-26F SECTION 26, T9S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #920-26C TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 40.6 MILES.

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #920-26F LOCATED IN UINTAH COUNTY, UTAH SECTION 26, T9S, R20E, S.L.B.&M.

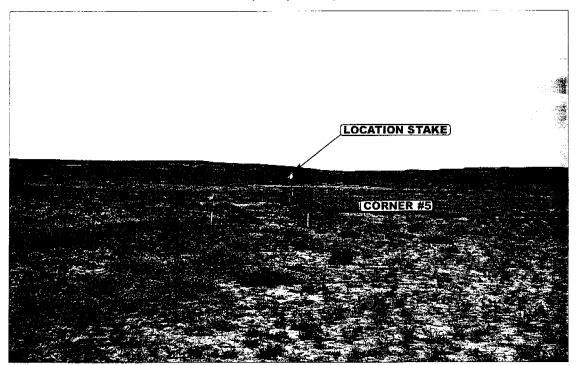


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

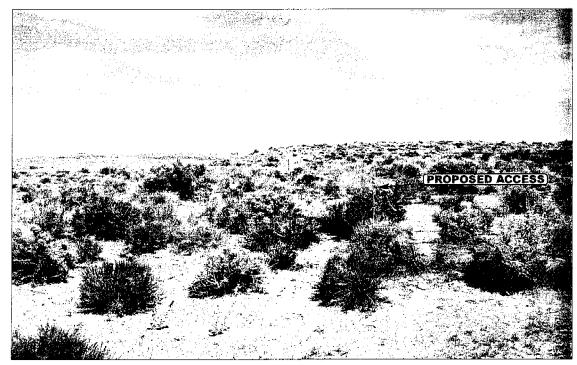


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 vernal, uels@uelsinc.com

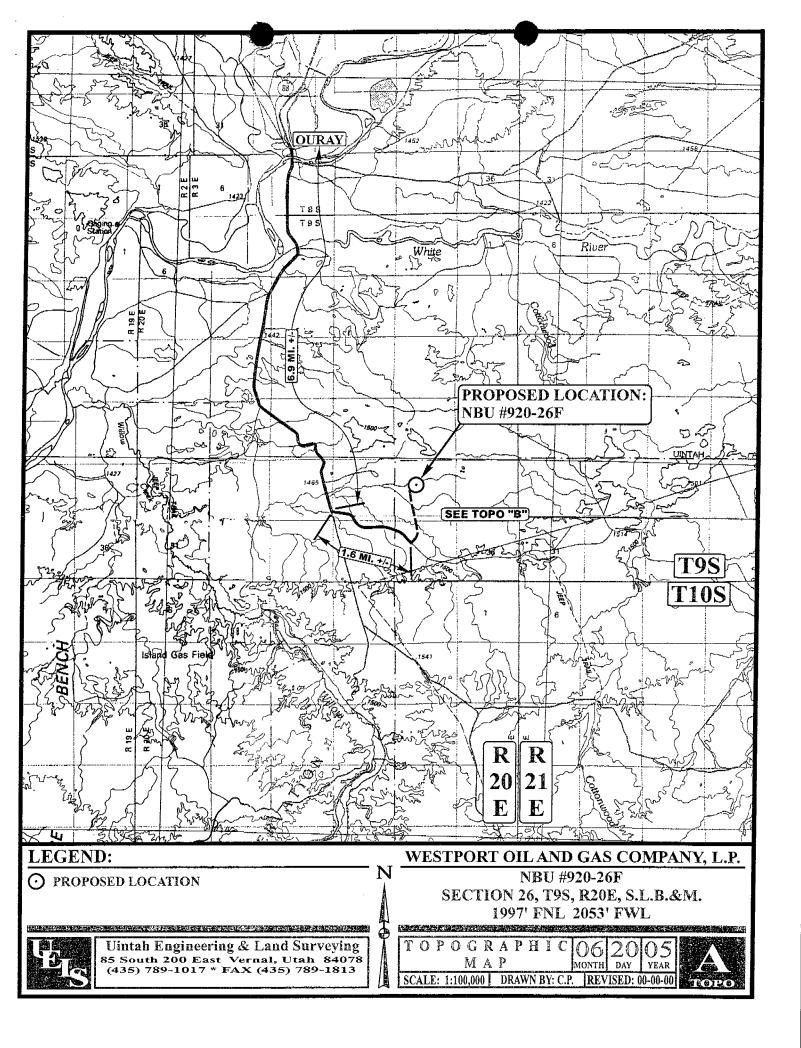
LOCATION PHOTOS

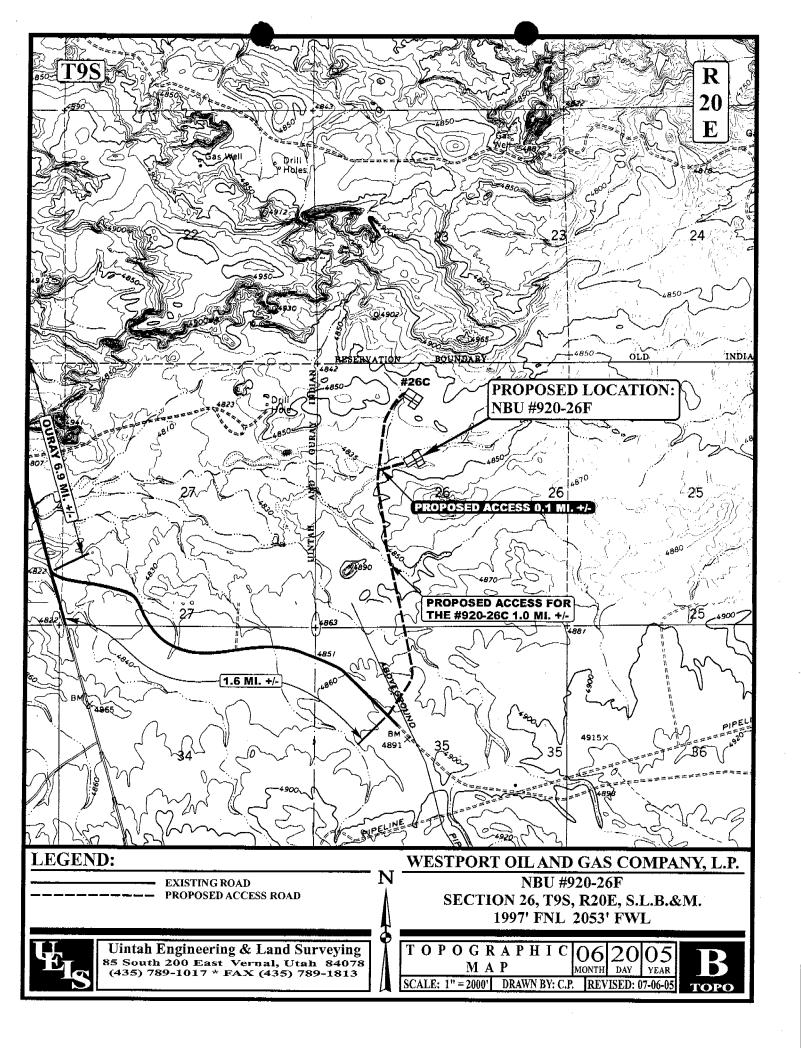
TAKEN BY: D.K.

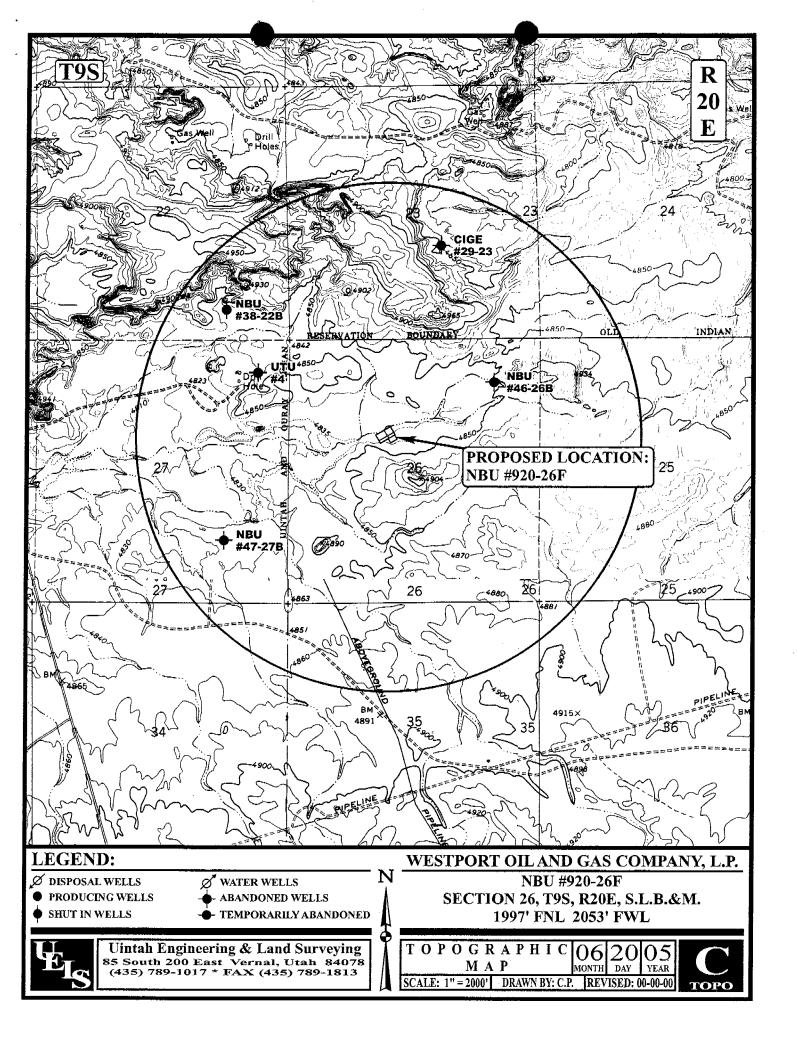
PHOTOS 06 20 05

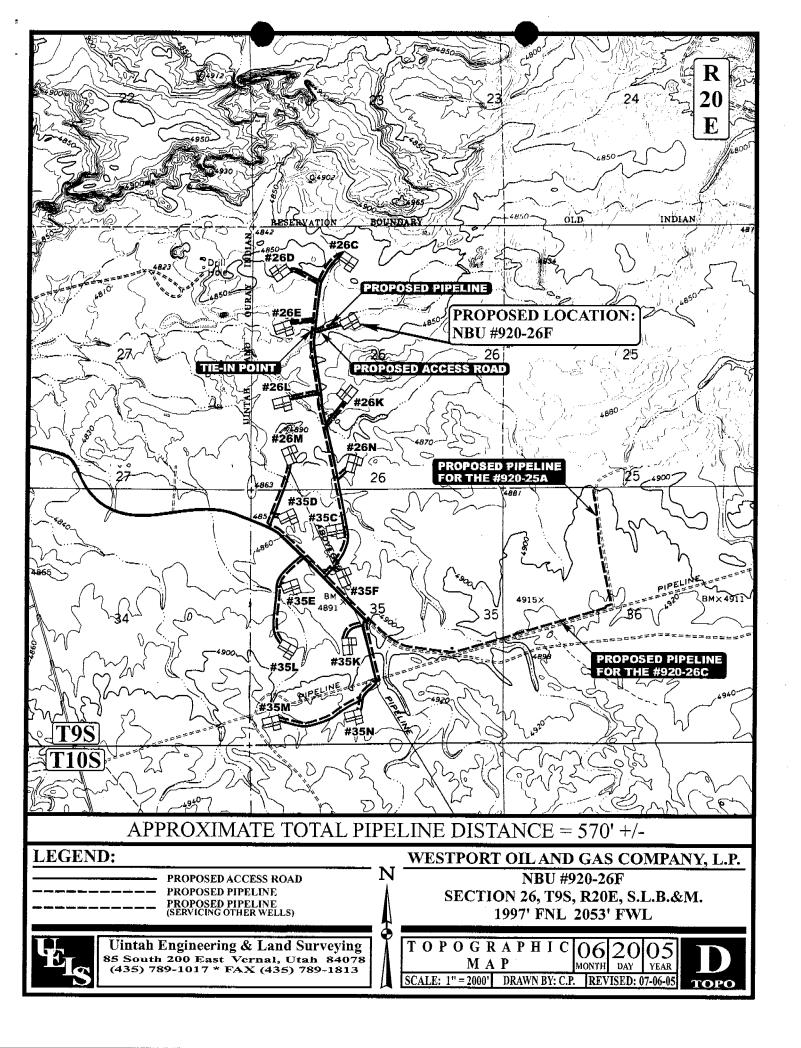
DRAWN BY: C.P. REVISED: 00-00-00

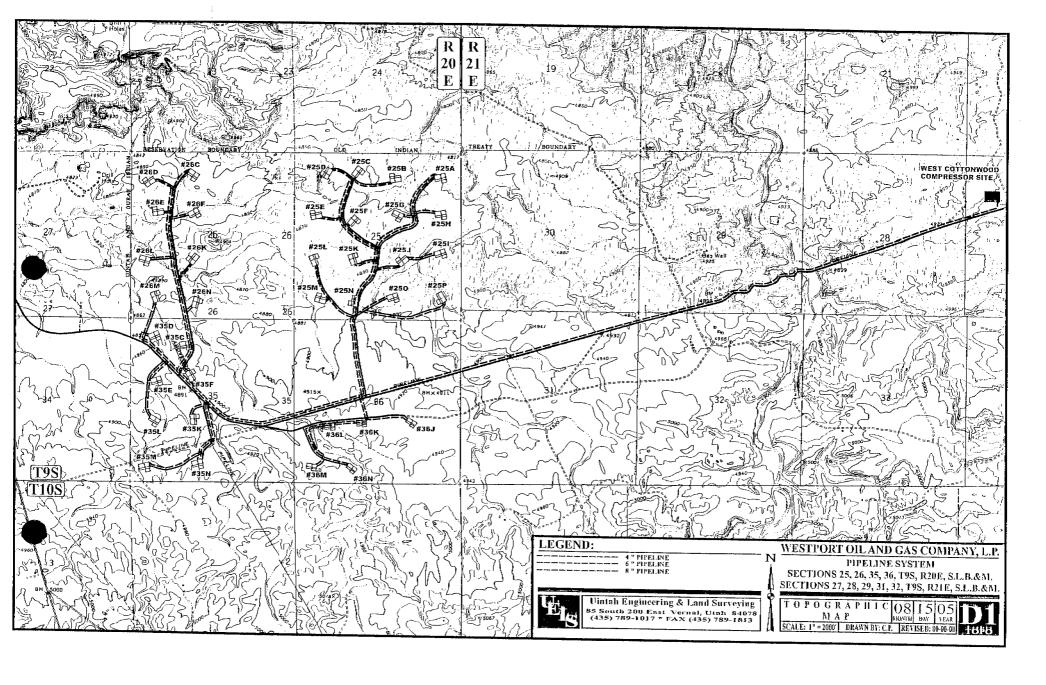
PHOTO

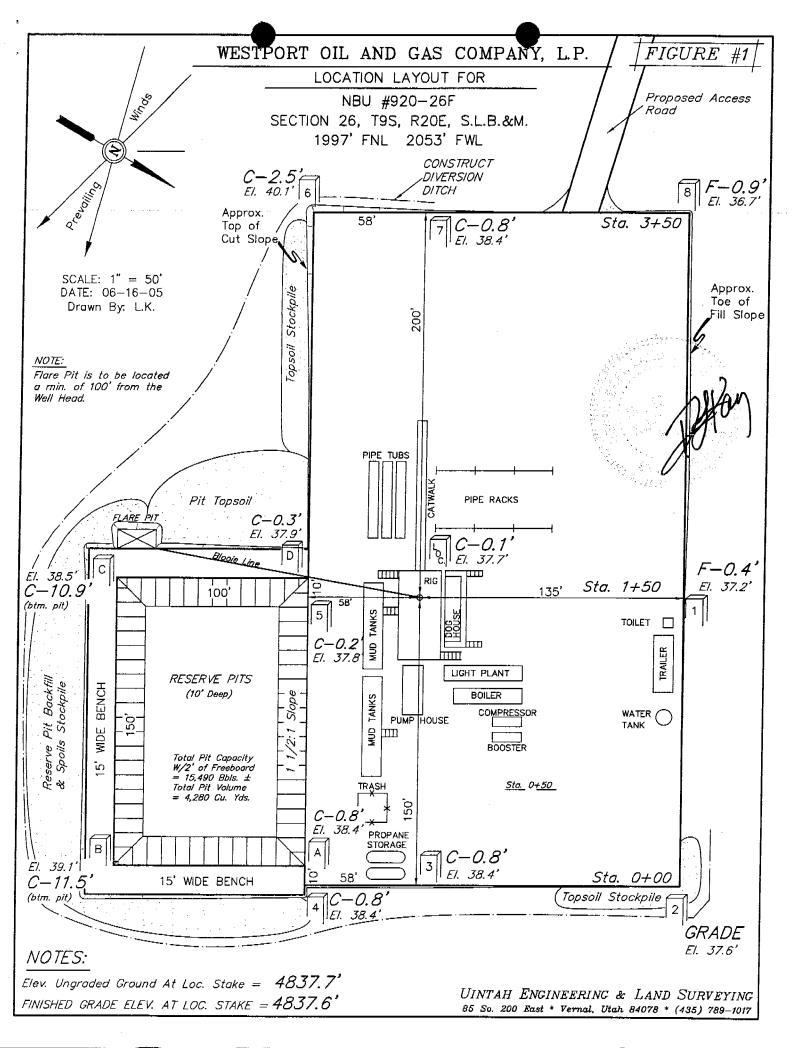


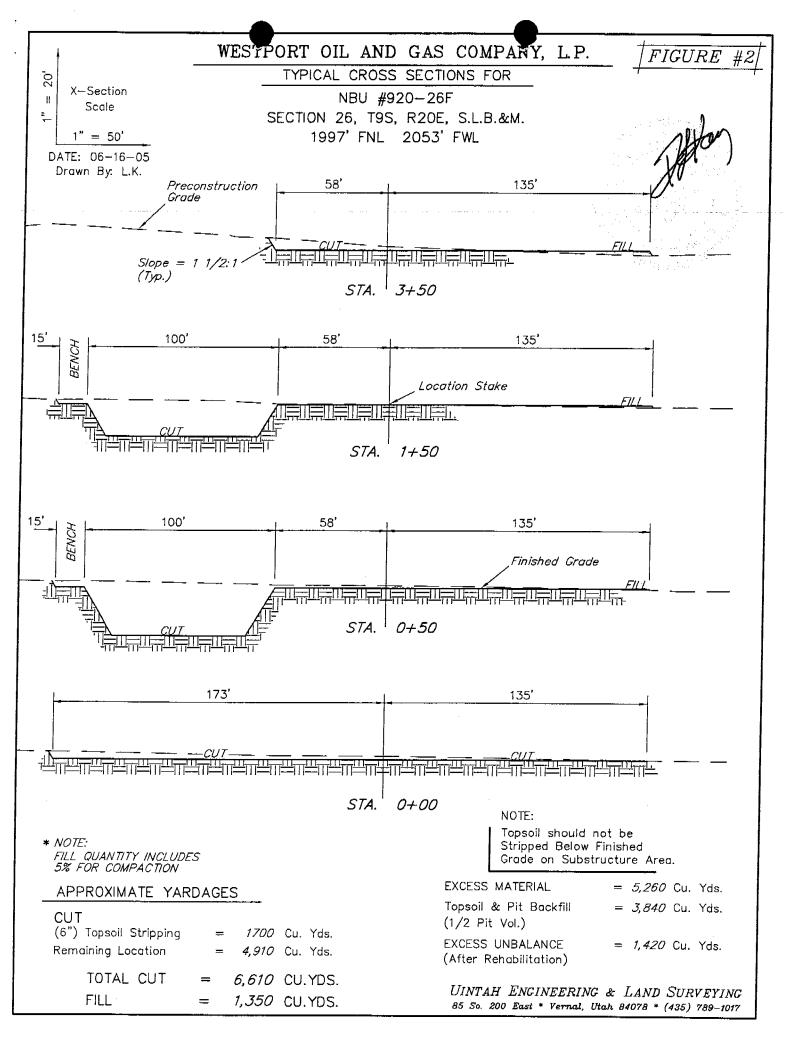




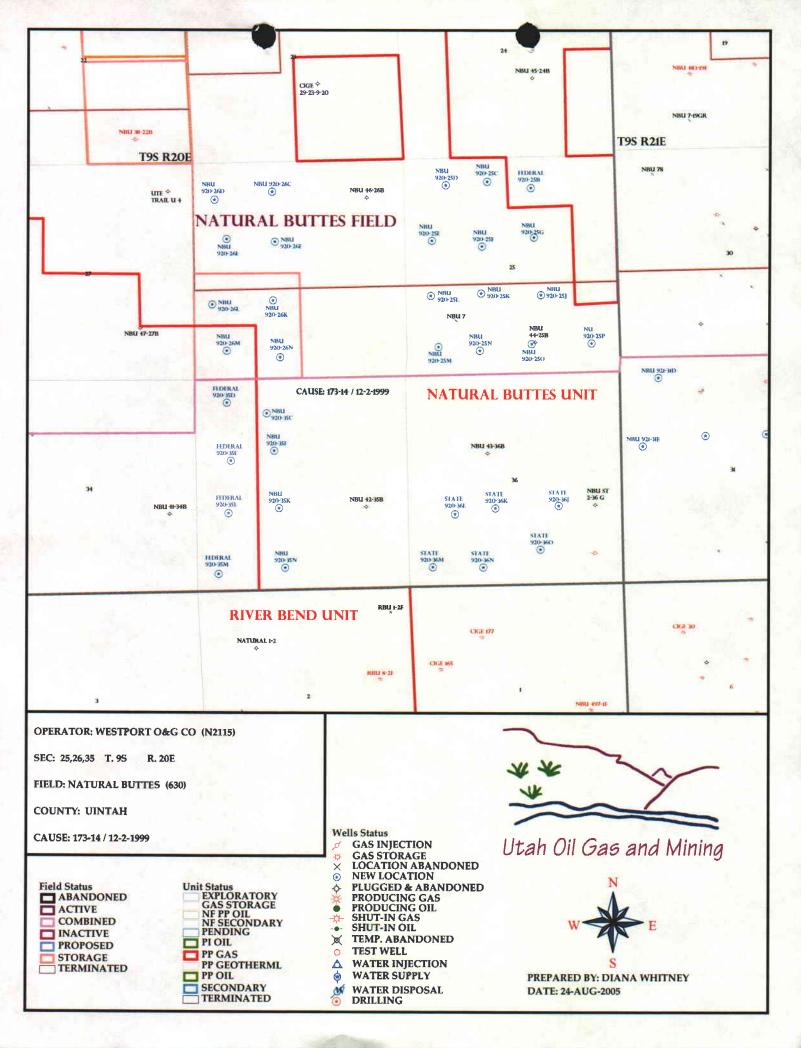








APD RECEIVED: 08/19/2005	API NO. ASSIGNED: 43-047-37015
WELL NAME: NBU 920-26F OPERATOR: WESTPORT OIL & GAS CO (N2115) CONTACT: DEBRA DOMENICI	PHONE NUMBER: 435-781-7060
PROPOSED LOCATION: SENW 26 090S 200E SURFACE: 1997 FNL 2053 FWL BOTTOM: 1997 FNL 2053 FWL UINTAH NATURAL BUTTES (630) LEASE TYPE: 1 - Federal LEASE NUMBER: UTU-0577-A SURFACE OWNER: 1 - Federal PROPOSED FORMATION: WSMVD COALBED METHANE WELL? NO	INSPECT LOCATN BY: / / Tech Review Initials Date Engineering Geology Surface LATITUDE: 40.00803 LONGITUDE: -109.6350
Plat Plat Bond: Fed[1] Ind[] Sta[] Fee[] (No. CO-1203) Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. 43-8496) N RDCC Review (Y/N) (Date:) N Fee Surf Agreement (Y/N) N Intent to Commingle (Y/N)	LOCATION AND SITING:
SOP, Seperase Sue STIPULATIONS: 1- Edward Approval 2- OLL SHUE	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

August 25, 2005

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2005 Plan of Development Natural Buttes Unit Uintah

County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Natural Buttes Unit, Uintah County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Wasatch-MesaVerde)

43-047-36998 NBU 920-25K Sec 25 T09S R20E 2025 FSL 1908 FWL 43-047-36999 NBU 920-25L Sec 25 T09S R20E 1993 FSL 0650 FWL 43-047-37000 NBU 920-25M Sec 25 T09S R20E 0696 FSL 0841 FWL 43-047-37001 NBU 920-25N Sec 25 T09S R20E 0584 FSL 1888 FWL 43-047-37002 NBU 920-250 Sec 25 T09S R20E 0724 FSL 2156 FEL 43-047-37003 NBU 920-25P Sec 25 T09S R20E 0707 FSL 0666 FEL 43-047-37005 NBU 920-25C Sec 25 T09S R20E 0579 FNL 2047 FWL 43-047-37006 NBU 920-25D Sec 25 T09S R20E 0627 FNL 1002 FWL 43-047-37007 NBU 920-25E. Sec 25 T09S R20E 2005 FNL 0666 FWL 43-047-37008 NBU 920-25F Sec 25 T09S R20E 2194 FNL 1924 FWL 43-047-37009 NBU 920-25G Sec 25 T09S R20E 2012 FNL 2051 FEL 43-047-37010 NBU 920-25J Sec 25 T09S R20E 1956 FSL 1903 FEL 43-047-37012 NBU 920-26C Sec 26 T09S R20E 0740 FNL 1996 FWL 43-047-37013 NBU 920-26D Sec 26 T09S R20E 0938 FNL 0552 FWL 43-047-37014 NBU 920-26E Sec 26 T09S R20E 1926 FNL 0841 FWL 43-047-37015 NBU 920-26F Sec 26 T09S R20E 1997 FNL 2053 FWL 43-047-37016 NBU 920-26K Sec 26 T09S R20E 1969 FSL 1986 FWL 43-047-37017 NBU 920-26L Sec 26 T09S R20E 1907 FSL 0461 FWL 43-047-37018 NBU 920-26N Sec 26 T09S R20E 0538 FSL 2143 FWL 43-047-37019 NBU 920-35C Sec 35 T09S R20E 0865 FNL 1787 FWL

Page 2

API#

WELL NAME

LOCATION

(Proposed PZ Wasatch-MesaVerde)

43-047-37023 NBU 920-35F Sec 35 T09S R20E 1805 FNL 1962 FWL 43-047-37024 NBU 920-35K Sec 35 T09S R20E 2075 FSL 2066 FWL 43-047-37026 NBU 920-35N Sec 35 T09S R20E 0574 FSL 2195 FWL 43-047-37029 NBU 1021-14M Sec 14 T10S R21E 1260 FSL 1330 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc:

File - Natural Buttes Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron



State of Utah

Department of Natural Resources

> MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

August 25, 2005

Westport Oil & Gas Company, LP 1368 South 1200 East Vernal, UT 84078

Re: Natural Buttes Unit 920-26F Well, 1997' FNL, 2053' FWL, SE NW, Sec. 26, T. 9 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37015.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

Operator:			
Well Name & Number	Natural Buttes	Unit 920-26F	
API Number:	43-047-37015 UTU-0577-A		
Location: SE NW	Sec. <u>26</u>	T. <u>9 South</u>	R. 20 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
- 5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.



Form 3160-3 (August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR

AUG 17 2005

FORM APPROVED OMB No. 1004-0136

Expires November 30, 2000

5. Lease Serial No.

BUREAU OF LAND MAN	NAGEMENT		UTU-057	7-A
APPLICATION FOR PERMIT TO		JTER	6. If Indian, Allottee or Tri	be Name
APPLICATION FOR PERMIT 10	O DIGILL OK KEEL	1 1 1 1 1 1 1	7. If Unit or CA Agreemen	at Name and No.
1a. Type of Work: X DRILL REI	ENTER		İ	
<u> </u>			NATURAL BUT	
		.	8. Lease Name and Well N	
b. Type of Well: Oil Well X Gas Well Other	Single Zone X	Multiple Zone	NBU 920-	-26F
2. Name of Operator WESTPORT OIL & GAS COMPANY, L.P.			9. A3 Well No. 7-3	7015
3A. Address	3b. Phone No. (include area c		10. Field and Pool, or Expl	
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078	(435) 781-	7060	NATURAL B	
4. Location of Well (Report location clearly and in accordance with	any State requirements.*)		11. Sec., T., R., M., or Blk,	and Survey or Area
At surface SENW 1997' FNL 2053' FWL	Lot 4		SEC 26-T9S	-R20E
At proposed prod. Zone 14. Distance in miles and direction from nearest town or post office.	k		12. County or Parish	13. State
9.6 MILES SOUTHEAST OF OURAY, UTAH			UINTAH	UT
15. Distance from proposed*	16. No. of Acres in lease	17. Spacing Unit	dedicated to this well	
location to nearest property or lease line, ft. 1997'	•			
(Also to nearest drig, unit line, if any)	2091.18		. 40	
18. Distance from proposed location* to nearest well, drilling, completed, REFER TO	19. Proposed Depth	20. BLM/BIA Bo		
applied for, on this lease, ft. TOPO C	10125'		CO-1203	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work w	vill start*	23. Estimated duration	<u> </u>
4837.7' GL	UPON APPR	OVAL	TO BE DETER	RMINED
	24. Attachments			
The following, completed in accordance with the requirements of On	shore Oil and Gas Order No. 1,	shall be attached to	this form:	
				and an file (see
 Well plat certified by a registered surveyor. 	4. Bond to c	over the operations	unless covered by an existing be	ond on the (see
2. A Drilling Plan.	Item 20 a	bove).	•	
3. A Surface Use Plan (if the location is on National Forest System I	Lands, the 5. Operator of	ertification.		
SUPO shall be filed with the appropriate Forest Service Office.	6. Such other	r site specific inform	ation and/or plans as may be req	uired by the
1, ,	authorized	l office.	<u></u>	
25. Signature	Name (Printed/Typed	d)	Date	
E day of the second	i D	EBRA DOMEN	VICI	8/17/2005
Title				
	ATE ENVIRONMENTA	L ANALYST		
Approved by (Signature)	Name (Printed/Type	d)	Date	11/2015
Howard & (Verymen)				16/2007
Title Assistant Field Manager	Office			/
wei anni Tannimose	 			
Application approval does not warrant or certify that the applicant he	olds legal or equitable title to th	ose rights in the sub	ject lease which would entitle th	e applicant to conduct
operations thereon.		37 mg 100 mg 100 mg		
Conditions of approval, if any, are attached.	to di di sami di si sa sami di ci sami		Call Water State 12	السند بسيط أن النياد
Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, make	e it a crime for any person know	ingly and willfully t	to make to any department or age	ency of the United
Time to 0.0.0. Beating footand files to describe or concentrations	s as to any matter within its juri	sdiction.		

*(Instructions on reverse)



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:

Westport Oil & Gas Co.

Location:

Lot 4, Sec 26, T9S, R20E

Well No:

NBU 920-26F

Lease No:

UTU-0577A

API No:

43-047-37015

Agreement: Natural Buttes WS MV

Petroleum Engineer:

Matt Baker

Office: 435-781-4490

Cell: 435-828-4470

Petroleum Engineer:

Michael Lee

Office: 435-781-4432

Cell: 435-828-7875

Supervisory Petroleum Technician: Environmental Scientist:

Jamie Sparger Paul Buhler

Office: 435-781-4502 Office: 435-781-4475 Cell: 435-828-3913

Karl Wright

Office: 435-781-4484

Cell: 435-828-4029

Environmental Scientist: Natural Resource Specialist:

Holly Villa

Office: 435-781-4404

Natural Resource Specialist:

Melissa Hawk

Office: 435-781-4476

After Hours Contact Number: 435-781-4513

Fax: 435-781-4410

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.

NOTIFICATION REQUIREMENTS

Location Construction (Notify Holly Villa)

Forty-Eight (48) hours prior to construction of location and access roads.

Location Completion (Notify Holly Villa)

Prior to moving on the drilling rig.

Spud Notice

Twenty-Four (24) hours prior to spudding the well.

(Notify Petroleum Engineer)

Casing String & Cementing (Notify Jamie Sparger)

Twenty-Four (24) hours prior to running casing and cementing all casing strings.

BOP & Related Equipment Tests

Twenty-Four (24) hours prior to initiating pressure tests.

First Production Notice (Notify Petroleum Engineer)

(Notify Jamie Sparger)

Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

COAs: Page 2 of 6 Well: NBU 920-26F

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- Paint all facilities Fuller O'Brian color Carlsbad Canyon (2.5Y 6/2). Any paint brand may be used provided the colors match.
- The interim seed mix for this location shall be:

Needle and Threadgrass Stipa comata 6lbs. /acre Crested Wheatgrass Agropyron cristatum 6lbs. /acre

All pounds are in pure live seed.

Reseeding may be required if first seeding is not successful.

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding shall take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

COAs: Page 3 of 6 Well: NBU 920-26F

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- 1. A casing shoe integrity test shall be required.
- 2. A CBL shall be run from the production casing shoe to the surface casing shoe.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- 1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- 2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- 3. Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- 4. Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.

All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.

BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office.

COAs: Page 4 of 6 Well: NBU 920-26F

All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.

- 6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.
- 7. Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

Please submit an electronic copy of all logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).

COAs: Page 5 of 6 Well: NBU 920-26F

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

- 10. Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- 11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- 12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address, and telephone number.
 - b. Well name and number.
 - c. Well location (1/41/4, Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - g. Unit agreement and / or participating area name and number, if applicable.
 - h. Communitization agreement number, if applicable.

COAs: Page 6 of 6 Well: NBU 920-26F

13. Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.

- 14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNDED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Change Plans

Convert to Injection

FORM APPROVED	
OMB No. 1004-0135	
Expires Inovember 30, 200)()

If Indian, Allottee or Tribe Name

Lease Serial No.	
TU-0577-A	

INTERIM SURFACE

RECLAMATION PLAN

abandoned well.	Use Form 3160-3 (APD)) for such proposals.	
SUBMIT IN TRIPL	ICATE – Other instru	ctions on reverse side	7. If Unit or CA/Agreement, Name and/or No. NATURAL BUTTES
1. Typc of Well Oil Well Gas Well	Other		8. Well Name and No.
2. Name of Operator			NBU 920-26F
WESTPORT OIL & GAS CO	DMPANY, L.P.		9. API Well No.
3a. Address		3b. Phone No. (include area code)	43-047-37015
1368 SOUTH 1200 EAST, V	/ERNAL, UTAH 84078	435-781-7060	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	on)	NATURAL BUTTES
SENW SEC 26-T9S-R20E			11. County or Parish, State
1997' FNL 2053' FWL			UINTAH, UTAH
12. CHECK APP	ROPRIATE BOX(ES) TO I	INDICATE NATURE OF NOTICE,	REPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTIO	N
Notice of Intent	Acidize Alter Casing	Fracture Treat Reclamat	
Subsequent Report	I Casing Repair	New Construction Recomple	ete Dther

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Plug Back

Plug and Abandon

Temporarily Abandon

Water Disposal

WHEN THE PIT IS BACKFILLED, WITHIN 180 DAYS OF WELL COMPLETION, OPERATOR SHALL SPREAD THE TOPSOIL PILE ON THE LOCATION UP TO THE RIG ANCHOR POINTS. THE LOCATION WILL BE RESHAPED TO THE ORIGINAL CONTOUR TO THE EXTENT POSSIBLE. OPERATOR WILL RESEED THE AREA USING THE BLM RECOMMENDED SEED MIXTURE AND RECLAMATION METHODS.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

DEBRA DOMENICI

Signature

Date

December 27, 2005

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Utah Division Date

Pederai Approval Of This

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Utah Division Petropetron

Office

Oil, Gas and Winning

Action Is Necessary

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its pristicion.

(Instructions on reverse)

📘 Final Abandonment Notice

JAN 0 3 2006

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2 CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, e	effective:			1/6/2006		
FROM: (Old Operator):		TO: (New O	perator):			
N2115-Westport Oil & Gas Co., LP		N2995-Kerr-M		. Gas Onsho	re, LP	
1368 South 1200 East		1368 S	outh 1200	East		
Vernal, UT 84078		Vernal	, UT 84078			
Phone: 1-(435) 781-7024		Phone: 1-(435)	781-7024			
CA No.		Unit:	N	ATURAL I	BUTTES	UNIT
WELL NAME SEC	TWN RNG	API NO	ENTITY	LEASE	WELL	WELL
	**.		NO	TYPE	TYPE	STATUS
OPERATOR CHANGES DOCUMENTATION	ON					
Enter date after each listed item is completed						
1. (R649-8-10) Sundry or legal documentation was rece	eived from the	FORMER ope	erator on:	5/10/2006	i	
2. (R649-8-10) Sundry or legal documentation was rece	eived from the	NEW operator	on:	5/10/2006	5	
3. The new company was checked on the Department	of Commerce	e, Division of Co	orporation	s Database	on:	3/7/2006
4a. Is the new operator registered in the State of Utah:		Business Numb	-	1355743-01		
4b. If NO , the operator was contacted contacted on:		-			-	
5a. (R649-9-2)Waste Management Plan has been received	d on:	IN PLACE				
5b. Inspections of LA PA state/fee well sites complete or		n/a	3 LA wells	s & all PA v	vells tran	sferred
5c. Reports current for Production/Disposition & Sundrie		ok	•			
6. Federal and Indian Lease Wells: The BLM	I and or the I	BIA has appro	ved the n	nerger, nai	ne chan	ge,
or operator change for all wells listed on Federal or I	ndian leases o	on:	BLM	3/27/2006	BIA	not yet
7. Federal and Indian Units:						
The BLM or BIA has approved the successor of un	it operator for	r wells listed on:		3/27/2006		
8. Federal and Indian Communization Agr	eements ("	CA"):				
The BLM or BIA has approved the operator for all				n/a		
9. Underground Injection Control ("UIC")	The D	ivision has appro	oved UIC F	orm 5, Trai	sfer of A	uthority to
Inject, for the enhanced/secondary recovery unit/pro	ject for the wa	ater disposal we	ll(s) listed o	n:		
DATA ENTRY:						
1. Changes entered in the Oil and Gas Database on:		5/15/2006	_			
2. Changes have been entered on the Monthly Operator	or Change Sp			5/15/2006	_	
3. Bond information entered in RBDMS on:		5/15/2006	-			
4. Fee/State wells attached to bond in RBDMS on:		5/16/2006	-			
5. Injection Projects to new operator in RBDMS on:6. Receipt of Acceptance of Drilling Procedures for AP	D/New on:	-	n/a	Name Char	ace Only	
BOND VERIFICATION:	D/INCW OII.		11/4	Name Cha	ige Omy	
		CO1203				
 Federal well(s) covered by Bond Number: Indian well(s) covered by Bond Number: 		RLB0005239	-			
3. (R649-3-1) The NEW operator of any fee well(s) list	ted covered by		-	RLB000523	6	
a. The FORMER operator has requested a release of lial	-			rider adde		
The Division sent response by letter on:	omity from the	an bong on:	n/a	_nueraude	UIVIO	
LEASE INTEREST OWNER NOTIFICATI	ON·		-			
4. (R649-2-10) The FORMER operator of the fee wells		acted and infor	ned hv a let	ter from the	Division	
of their responsibility to notify all interest owners of t			5/16/2006		D14191011	
COMMENTS:	5- 311					

Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5.	Lease	Serial	No.

Do not use this	NOTICES AND REPOR s form for proposals (Use Form 3160-3 (API	to drill or reenter an	MULTIPLE LEASES 6. If Indian, Allottee or Tribe Name
SUBMIT IN TRIPI	LICATE – Other instr	uctions on reverse sid	7. If Unit or CA/Agreement, Name and/or No.
I. Type of Well	_		
Oil Well X Gas Well	☐ Other		8. Well Name and No.
2. Name of Operator			MUTIPLE WELLS
KERR-McGEE OIL & GAS	ONSHORE LP		9. API Well No.
3a. Address		3b. Phone No. (include area	code)
1368 SOUTH 1200 EAST	VERNAL, UT 84078	(435) 781-7024	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec.	, T., R., M., or Survey Descript		
SEE ATTACHED			11. County or Parish, State UINTAH COUNTY, UTAH
12. CHECK AP	PROPRIATE BOX(ES) TO	INDICATE NATURE OF NO	OTICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF	ACTION
Notice of Intent	Acidize Alter Casing		roduction (Start/Resume) Water Shut-Off
Subsequent Report	Casing Repair Change Plans	New Construction F	decomplete
Final Abandonment Notice	Convert to Injection	Plug Back	emporarily Abandon OPERATOR Vater Disposal
13. Describe Proposed or Completed Op If the proposal is to deepen direction	erations (clearly state all pertiner nally or recomplete horizontally,	nt details, including estimated starting give subsurface locations and measur	g date of any proposed work and approximate duration thereof, red and true vertical depths of all pertinent markers and zones.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.

KERR-McGEE OIL & GAS ONSHORE LP, IS DESPONSIBLE LINDER TERMS AND CONSIDERED.

RECEIVED

KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE

BIM BOND = CDI202

MAY 1 0 2006

IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

DIV. OF OIL, GAS & MINING

 I hereby certify that the foregoing is true and corn Name (Printed/Typed) FANDY BAYNE 	Title Earlene Ri	lene Russell 16 Oil, Gas and Mining 18 Ussell, Engineering Technician
Signature / Sayne	Date May 9, 2006	
	THIS SPACE FOR FEDERAL OR STATE L	JSE
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this certify that the applicant holds legal or equitable title to those which would entile the applicant to conduct operations thereo	rights in the subject lease	3076

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

SUNDRY NOTICES AND REPORTS ON WELLS

	Use Form 3160-3 (APD)			6. If Indian, Allottee or Tribe	Varne
SUBMIT IN TRIPL	ICATE – Other instru	ctions on rev	erse side	7. If Unit or CA/Agreement, N	ame and/or No.
I. Type of Well					
Oil Well X Gas Well	Other .			8. Well Name and No.	
2. Name of Operator				MUTIPLE WELLS	
WESTPORT OIL & GAS CO	MPANY L.P.			9. API Well No.	
3a. Address		3b. Phone No.	include area code)		
1368 SOUTH 1200 EAST V		(435) 781-70	24	10. Field and Pool, or Explorato	ry Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	n)			
055 47740450				11. County or Parish, State	
SEE ATTACHED				UINTAH COUNTY, UTA	н
12. CHECK APP	ROPRIATE BOX(ES) TO I	NDICATE NAT	URE OF NOTICE	E, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACT	ION	
Notice of Intent	Acidize	Deepen	Produc	tion (Start/Resume)	Off
_	Alter Casing	Fracture Trea	_	· · · · · · · · · · · · · · · · · · ·	
X Subsequent Report	Casing Repair	New Construe		plete 👿 Other CHA	•
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Aba	= '	rarily Abandon OPERATO	R
13. Describe Proposed or Completed Oper	· – ·	Plug Back		Disposal	
ronowing completion of the myoryed	perations. If the operation result bandonment Notices shall be filed at inspection. DO6, WESTPORT OIL & THE ATTACHED WELL	is in a multiple com I only after all requ GGAS COMPA LOCATIONS	pletion or recompleti rements, including r ANY L.P., HAS TO KERR-Mc	GEE OIL & GAS	1 L. CI_1
	APPR	OVED 3	5/6/06	RECEI	√ED
	$\mathcal{L}a$	rlove Ri	issell		
	Division	of Oil, Gas an	d Mining	MAY 1 0	2006
	Dariene F	cussell, Engine	ering Technic	lan DIV OF OU OAS	0. ******
14. I hereby certify that the foregoing	s is true and correct			DIV OF OIL GAS	* MINING
Name (Printed/Typed)		Title			
BRAD LANEY Signature			ING SPECIAL	IST	
orginature .		Date May 9, 2006	3		-
	THIS SPACE	FOR FEDERAL			
Approved by		Title		Date	
Olack January				5-9-06	
Conditions of approval, if any, are attacked certify that the applicant holds legated equit which would entitle the applicant to conduct	able title to those rights in the subje	arrant or Office			
Title 18 U.S.C. Section 1001, make false, fictitious or fraudulent statemer	it a crime for any person know	vingly and willfull matter within its ju	y to make to any durisdiction.	lepartment or agency of the United S	lates any



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM) 3106 COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. 1999 Broadway, Suite 3700 Denver, CO 80202

Oil & Gas

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303,239,3768.

/s/Martha L. Maxwell Martha L. Maxwell Land Law Examiner Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:
MMS MRM, MS 357B-1
WY, UT, NM/OK/TX, MT/ND, WY State Offices
CO Field Offices
Wyoming State Office
Rider #1 to Bond WY2357

Rider #1 to Bond WY2357 Rider #2 to Bond WY1865 Rider #3 to Bond WY1127



United States Department of the Interior



BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-922)

March 27, 2006

Memorandum

To:

Vernal Field Office

From:

Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

cc:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225

State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson

Joe Incardine

Connie Seare

Dave Mascarenas

Susan Bauman

MAR 2 8 2006

TOLOFOL, CAO 2 LINE D

Form 3160-5 (August 1999)

TYPE OF SUBMISSION

determined that the site is ready for final inspection.

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

_	Expires	Jnovembe

FORM APPROVED OMB No. 1004-0135 er 30, 2000

5. Lease Serial No. UTU-0577-A

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

6.	If Indian,	Allottee or	Tribe Name	

SUBMIT IN TRIPLICATE - Other instr	7. If Unit or CA/Agreement, Name and/or No. NATURAL BUTTES UNIT	
1. Type of Well Oil Well Gas Well Other	8. Well Name and No.	
Oil Well Gas Well Other 2. Name of Operator	NBU 920-26F	
KERR McGEE OIL AND GAS ONSHORE LP	9. API Well No.	
3a. Address	3b. Phone No. (include area code)	4304737015
1368 SOUTH 1200 EAST VERNAL, UT 84078	435-781-7003	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Descrip	tion)	NATURAL BUTTES
1997' FNL 2053' FWL	11. County or Parish, State	
SENW, SEC 26-T9S-R20E	UINTAH, UT	
12. CHECK APPROPRIATE BOX(ES) TO	REPORT, OR OTHER DATA	

Notice of Intent	Acidize	Deepen	Production (Start/Resume)	☐ Water Shut-Off
Subsequent Report	Alter Casing Casing Repair Change Plans	Fracture Treat New Construction Plug and Abandon	Reclamation Recomplete Temporarily Abandon	Well Integrity Other APD EXTENSIO
Final Abandonment Notice	Convert to Injection		Water Disposal	
Describe Proposed or Completed Oper If the proposal is to deepen directional Attach the Bond under which the work	illy or recomplete horizontally,	give subsurface locations and	I measured and true vertical depths	of all pertinent markers and zones.

following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has

TYPE OF ACTION

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL AND GAS ON AUGUST 25, 2005.

Approved by the Unda Pavis co st Oil, Gas and formig LOTY SERT TO OPERATOR

The second of th	ъу		
14. I hereby certify that the foregoing is true and correct			
Name (Printed/Typed)	Title		
RAMEY HOOPES		REGULATORY CLERK	
Righature Stormer	Date	July 11, 2006	
THIS SPACE F	OR FEDERAL OR STATE	USE	_
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warr certify that the applicant holds legal or equitable title to those rights in the subject which would entitle the applicant to conduct operations thereon.			

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED



Application for Permit to Drill Request for Permit Extension Validation

Validation (this form should accompany the Sundry Notice requesting permit extension)

API: 4304737015 Well Name: NBU 920-26F					
Location: SENW, SEC 26-T9S-R20E Company Permit Issued to: KERR MCGEE OIL AND GAS ONSHORE LP Date Original Permit Issued: 8/25/2005					
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.					
Following is a checklist of some items related to the application, which should be verified.					
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes⊡No☑					
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□No☑					
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□ No ☑					
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑					
Has the approved source of water for drilling changed? Yes□No☑					
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑					
Is bonding still in place, which covers this proposed well? Yes ☑No ☐					
Tamer Homes 7/11/2006					
Signature Date					
Title: REGULATORY CLERK					
Representing: KERR MCGEE OIL AND GAS ONSHORE L					

RECEIVED
JUL 2 5 2006

Form 3 160-5 (August 1999)

RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR

DEC 0 4 2006

FORM APPROVED

OMB No. 1004-0135 Expires Jnovember 30, 2000

BURI	EAU OF LAND MANAC	JEMEN I		3. Lease Se	eriai No.
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or reenter about a phandaged well. Use Form 3160-3 (APD) for such proposals.					7-A
Do not use this abandoned well.	form for proposals to Use Form 3160-3 (APD)	drill or for sucl	reenter an LIVI proposals.	6. If Indiar	, Allottee or Tribe Name
				7. If Unit o	or CA/Agreement, Name and/or No.
SUBMIT IN TRIPL	ICATE – Other instru	ctions (on reverse side		91008900A
1. Type of Well	_			8. Well Na	L BUTTES UNIT
Oil Well X Gas Well	Other]	
2. Name of Operator				NBU 92	
KERR-McGEE OIL & GAS (ONSHORE LP			9. API We	
3a. Address		3b. Pho	ne No. (include area code)	4304737	
1368 SOUTH 1200 EAST V	/ERNAL, UT 84078	(435)7	81-7024	J	d Pool, or Exploratory Area
4. Location of Well (Footage, Sec.,		on)			L BUTTES
				11. County	or Parish, State
SENW SEC. 26, T9S, R20E	1997'FNL, 2053'FWL			UINTAH	COUNTY, UTAH
12. CHECK APP	ROPRIATE BOX(ES) TO I	INDICAT			R OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	1	
Notice of Intent Subsequent Report	Acidize Alter Casing Casing Repair		en Production ure Treat Reclamatic Construction Recomplet		Well Integrity Other BLM APD
<u> </u>	Change Plans	Plug		ly Abandon	EXTENSION
Final Abandonment Notice 13. Describe Proposed or Completed Ope	Convert to Injection	_	Back Water Disp		
Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for firm	operations. If the operation results bandonment Notices shall be file hal inspection.	the Bond N alts in a mul ed only afte	o, on the with BENDER. Requireple completion or recompletion all requirements, including recl	in a new inter- amation, have	ths of all pertinent markers and zones. treports shall be filed within 30 days val, a Form 3160-4 shall be filed once been completed, and the operator has
THE OPERATOR REQUES LOCATION SO THAT THE	DRILLING OPERATION	NS MAY	BE COMPLETED. TH	E ORIGIN	AL APD WAS
APPROVED BY THE BURE	AU OF LAND MANAG	EMENT	ON DECEMBER 16, 2	005.	RECEIVED
					FEB 0 2 2007
				DIV.	OF OIL, GAS & MINING
14. I hereby certify that the foregoin	g is true and correct	Larra		- <u>**.</u> - <u>** </u>	
Name (Printed/Typed) SHEKA UPCHEGO		Title	IIOR LAND ADMIN SP	ECIALIST	
Signature Date					
111111111111111111111111111111111111111		Dec	ember 1, 2006		
Horas Sugar	THIS SPAC	E FOR FE	DERAL OR STATE USE		
Approved by	F. Caller		Petroleum Engin	eer Date	JAN 1 7 2007
Conditions of apply al, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to conduct the conduction of t	ibject lease	Office			
Title 18 U.S.C. Section 1001, make	e it a crime for any person kn	owingly a	nd willfully to make to any de	partment or	agency of the United States any



false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL

Kerr-McGee Oil & Gas

Notice of Intent APD Extension

Lease:

UTU-0577A

Well:

NBU 920-26F

Location:

SENW Sec 26-T9S-R20E

An extension for the referenced APD is granted with the following conditions:

- 1. The extension and APD shall expire on 12/16/2007
- 2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Jim Ashley of this office at (435) 781-4470.

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

BUREAU OF LAND MANAGEMENT

5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

U	TU-057	7-A	
6.	If Indian	Allottee or Tribe Name	

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE — Other instructions on reverse side					If Indian, Allottee or Tribe Name If Unit or CA/Agreement, Name and/or No. NATURAL BUTTES	
Oil Well X Gas Well 2. Name of Operator	Other			NBU 920-		
•	AC ONCHORE I D			9. API Well		
KERR MCGEE OIL AND GA		3b. Phone No. (includ	de area cade)	43047370		
	i	•	is area code,	1	Pool, or Exploratory Area	
1368 SOUTH 1200 EAST, V 4. Location of Well (Footage, Sec., T.				_	BUTTES	
	., I., IV., Or But vey Description,			11. County or		
1997' FNL, 2053' FWL SENW, SEC 26-T9S-R20E				11. 00	a variable of the control of the con	
SEIVV, SEC 20-193-R20E				UINTAH,	UTAH	
12. CHECK APP	ROPRIATE BOX(ES) TO II				OTHER DATA	
TYPE OF SUBMISSION		TY	PE OF ACTIO	N		
Notice of Intent Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	Production Reclamatic		Well Integrity Other APD EXTENSION	
	Change Plans	Plug and Abandon		ily Abandon	DOGM	
Final Abandonment Notice	Convert to Injection	Plug Back	Water Dis	posal		
Attach the Bond under which the wor following completion of the involved testing has been completed. Final Aldetermined that the site is ready for fin THE OPERATOR REQUES LOCATION SO THAT THE APPROVED BY THE DIVIS	operations. If the operation result bandonment Notices shall be filed at inspection. TS AUTHORIZATION DRILLING OPERATION OF OIL, GASARIE Utah	ts in a multiple completed only after all requirements FOR A ONE YEARS MAY BE COMPAU COMPANY OF COMPAU Division of	on or recompletion ents, including red AR EXTENSI MPLETED. T	in a new interval lamation, have be ON FOR TH HE ORIGIN	I, a Form 3160-4 shall be filed once een completed, and the operator has HE SUBJECT WELL IAL APD WAS	
	Oil, Ga	as and Mining			RECEIVED	
					JUN 1 5 2007	
	Date: O	6-20-03		0-21-07 PM	/. OF OIL, GAS & MINING	
14. I hereby certify that the foregoing i	is true and correct	, M				
Name (Printed/Typed) RAMEY HOOPES LAND SPECIAL					ICT I	
RAMEY HOOPES LAND SPECIALIST I					1011	
Signature Kameus	Homes			une 11, 200	7	
	THIS SPACE	FOR FEDERAL OR	STATE USE			
Approved by		Title		Date		
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent which would entitle the applicant to conduct	itable title to those rights in the sub; it operations thereon.	je ot lease				
Title 18 U.S.C. Section 1001, make	it a crime for any person kno	wingly and willfully to matter within its juris	o make to any de diction.	partment or ago	ency of the United States any	

Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API: Well Name:	4304737015 NBU 920-26F					
Location:	SENW, SEC 26-T9					
Company Per	mit issued to: Permit issued:		OIL AND GAS ONSHO	RE LP		
above, hereby	verifies that the	information as	drill on the property submitted in the pre I does not require r	eviously		
Following is a verified.	checklist of some	e items related	to the application, v	<u>which should be</u>		
	rivate land, has t en updated? Yes		hanged, if so, has t	he surface		
			e proposed well wt tion? Yes⊡ No ☑	nich would affect		
	n any unit or oth operation of this p		put in place that co Yes⊡No⊠	uld affect the		
	en any changes could affect the		oute including owne on? Yes⊡ No ☑	ership, or right-		
Has the appro	ved source of wa	ater for drilling o	:hanged? Yes⊟No			
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☑						
ls bonding stil	l in place, which	covers this prop	oosed well? Yes⊠l	No 🗆		
Rame	y Horpe	<i>*</i>	6/11/2007	**************************************		
Signature	0	· O	Dat	е		
Title: LAND S	PECIALIST I					
Representing:	KERR-MCGEE	OIL AND GAS ON	SHORE L			

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: Kerr-McGee Oil & G	as Onshore, LP
Well Name: NBU 920-26F	
API No: 43-047-37015	Lease Type: Federal
Section_26 Township_09S Range_20	DE County Uintah
Drilling Contractor Pete Martin Drilling	Rig #_ Bucket
SPUDDED:	
Date <u>10-16-07</u>	
Time	
How_Dry	
Drilling will Commence:	
Reported by Lou Weldon	
Telephone #_ 435-828-7035	
Date 10-19-07	Signed RM

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY	ACTION	FORM

Operator:

KERR McGEE OIL & GAS ONSHORE LP

Operator Account Number: N 2995

Address:

1368 SOUTH 1200 EAST

city VERNAL

state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well I	QQ	Sec	Twp	Rng	County	
4304737015	NBU 920-26F		SENW	. 26	98	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	S	pud Da	te	Entity Assignment Effective Date	
B	99999	2900	1:	10/16/2007		10	/31/07

MIRU PETE MARTIN BUCKET RIG. SPUD WELL LOCATION ON 10/16/2007 @ 1000 HRS.

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737546	NBU 1022-17J		NWSE	17	108	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	s	pud Da	te		ity Assignment Effective Date
Ъ	99999	2900	10/18/2007		10	10/31/07	
comments:	···						101

MIRU PETE MARTING BUCKET RIG. SPUD WELL LOCATION ON 10/18/2007 @ 1200 HRS.

WSMVD

v	V٤	١le	-2
		791	

API Number Well Name		lame	QQ Sec Twp			Rng County		
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date		
omments:				- 	William Bloom Hilliams			

ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

SHEILA UPCHEGO

Signature SENIOR LAND SPECIALIST

Title

Date

(5/2000)

OCT 19 2007

RECEIVED



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

5. Lease Serial No. UTU-0577-A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this abandoned well.		6. If Indian, Allottee or Tribe Name			
SUBMIT IN TRIPL	7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A				
1. Type of Well			· · · · · · · · · · · · · · · ·	NATURAL	BUTTES UNIT
Oil Well X Gas Well	Other			8. Well Name	
2. Name of Operator				NBU 920	
KERR-McGEE OIL & GAS				9. API Well N	
3a. Address	31	•	e area code)	430473701	
1368 SOUTH 1200 EAST V		135) 781-7024			ool, or Exploratory Area
4. Location of Well (Footage, Sec., 2	i., K., M., or Survey Description)			NATURAL 11. County or I	
SE/NW SEC. 26, T9S, R208	E LOT4, 1997'FNL, 2053	'FWL			OUNTY, UTAH
12. CHECK APP	ROPRIATE BOX(ES) TO INI	DICATE NATURE (OF NOTICE, R	EPORT, OR O	THER DATA
TYPE OF SUBMISSION			PE OF ACTION	*	
		_			
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Production Reclamation	(Start/Resume)	Water Shut-Off
Subsequent Report	Casing Repair	New Construction	Recomplet		Well Integrity Other SET SURFACE
	Change Plans	Plug and Abandon		ly Abandon	CSG
Final Abandonment Notice	Convert to Injection	Plug Back	■ Water Disp	oosal	
testing has been completed. Final Aidetermined that the site is ready for fin	al inspection.				•
32.3# H-40 SURFACE CSG					
CMT W/200 SX PREM CLA					
BBLS LEAD CMT TO PIT. F					
DOWN 1" PIPE GOOD CM	T TO SURFACE AND FE	LL BACK. TOP	OUT W/125	SX PREM (CLASS G @15.8
PPG 1.15 YIELD. DOWN BA	ACKSIDE GOOD CMT T	O SURFACE HO	DLE STAYE	O FULL.	RECEIVED
WORT.					OCT 2 4 2007
14 Therefore 20 stored 0	:				DIV. OF OIL, GAS & MINING
14. I hereby certify that the foregoing Name (<i>Printed/Typed</i>)	is true and correct	Title			,
SHEILA UPCHEGO		SENIOR LAND	ADMIN SPE	ECIALIST	
Signature (1)	nehellet)	Date October 22, 20			
JIMW M	THIS SPACE E	OR FEDERAL OR S			
Approved by	- IIIIS SPACET	Title	TAIL USE	Date	
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to conduct	itable title to those rights in the subject operations thereon.	t lease			
Title 18 U.S.C. Section 1001, make false, fictitious or fraudulent stateme				partment or agen	cy of the United States any



UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135

Expires Jaovember 30, 2000

5. Lease Serial No.

UTU-0577-A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an

6. If Indian, Allottee or Tribe Name

abandoned well.						
SUBMIT IN TRIPLI	7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A					
1. Type of Well	<u> </u>			NATURAL BUTTES UNIT		
Oil Well X Gas Well	Other			8. Well Name and No.		
Name of Operator				NBU 920-26F		
KERR MCGEE OIL AND GA	S ONSHORE LP			9. API Well No.		
3a. Address		3b. Phone No. (include	e area code)	4304737015		
1368 SOUTH 1200 EAST VE	ERNAL, UT 84078	435-781-7003	_	10. Field and Pool, or Exploratory Area		
4. Location of Well (Footage, Sec.,)	T., R., M., or Survey Description	on)		NATURAL BUTTES		
1997'FNL-2053'FWL				11. County or Parish, State		
SENW SEC 26-T9S-R20E				UINTAH COUNTY, UT		
12. CHECK APP	ROPRIATE BOX(ES) TO	INDICATE NATURE (OF NOTICE, R	EPORT, OR OTHER DATA		
TYPE OF SUBMISSION		TYP	E OF ACTION	1		
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Production Reclamatic	(Start/Resume) Water Shut-Off on Well Integrity		
X Subsequent Report	Casing Repair	Recomplet	Other WELL SPUD			
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Water Disp	y Abandon posal		
If the proposal is to deepen directional	ally or recomplete horizontally, g	ive subsurface locations and	measured and to	ny proposed work and approximate duration thereof he vertical depths of all pertinent markers and zones, red subsequent reports shall be filed within 30 days		

following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PETE MARTIN DRILLING. DRILL 20" CONDUCTOR TO 40'. RAND 14" 36.7# SCHEDULE PIPE. CMT W/28 SX READY MIX. SPUD WELL @ 1000 HRS ON 10/16/2007

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct		
Name (Printed/Typed)	Title	
SHEILA UPCHEGO		SENIOR LAND ADMIN SPECIALIST
Signature Jan Meller	Date	October 19, 2007
THIS SPACE FOR	FEDERAL OR	STATE USE
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject lea which would entitle the applicant to conduct operations thereon.		
Title 18 U.S.C. Section 1001, make it a crime for any person knowingly	y and willfully t	o make to any department or agency of the United States any

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

5. Lease Serial No.

FORM APPROVED

OMB No. 1004-0135

Expires Jnovember 30, 2000

6. If Indian, Allottee or Tribe Name

UTU-0577-A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an

abandoned well.	Use Form 3160-3 (APD)	tor su	n proposals	S.	1				
SUBMIT IN TRIPLICATE – Other instructions on reverse side						7. If Unit or CA/Agreement, Name and/or No.			
-						1008900A			
1. Type of Well						L BUTTES UNIT			
Oil Well X Gas Well	Other				8. Well Nar	ne and No.			
2. Name of Operator					NBU 92	0-26F			
KERR-McGEE OIL & GAS (ONSHORE LP				9. API Well	No.			
3a. Address		3b. Pl	none No. (inclua	ie area code)	43047370)15			
1368 SOUTH 1200 EAST \	/ERNAL, UT 84078	(435)	781-7024		10. Field and	Pool, or Exploratory Area			
4. Location of Well (Footage, Sec., 1					NATURA	L BUTTES			
						r Parish, State			
SE/NW SEC. 26, T9S, R208	E LOT4, 1997'FNL, 20!	53'FWI							
, ,, ,, ,, ,	, , , , , , , , , , , , , , , , , ,	, , , , ,	•		UINTAH (COUNTY, UTAH			
12. CHECK APP	ROPRIATE BOX(ES) TO I	NDICA	TE NATURE	OF NOTICE,	REPORT, OR	OTHER DATA			
TYPE OF SUBMISSION			TYI	PE OF ACTION	ON				
M Notice of Intent	П	<u> </u>	, 1		45 -				
Notice of Intent	Acidize Alter Casing		epen cture Treat	Reclama	on (Start/Resume	·			
Subsequent Report	Casing Repair		w Construction	Recomp		☐ Well Integrity ☐ Other			
	Change Plans		g and Abandon	-	rily Abandon	U Other			
Final Abandonment Notice	Convert to Injection		g Back	☐ Water D		A CONTRACTOR OF THE CONTRACTOR			
13. Describe Proposed or Completed Oper	rations (clearly state all partinent	dotoila ir	aludina actimata	d starting data a		1 - 1 1			
If the proposal is to deepen directions Attach the Bond under which the worfollowing completion of the involved testing has been completed. Final Addetermined that the site is ready for fin	rk will be performed or provide to operations. If the operation result bandonment Notices shall be file	the Bond Its in a m	No. on file with ultiple completion	BLM/BIA Recompletion	quired subsequent :	reports shall be filed within 30 days			
THE OPERATOR REQUES	TS AUTHORIZATION	TO CH	IANGE THE	- DRILLING	PIANS T	HE OPERATOR			
PLANS TO DRILL DIRECTI									
THIS LOCATION IS BUILT.									
THE NEXT 10 DAYS.	THE OF LIVE OF	(IIAO	FLANS TO	DIVICE IIII	S LOCATIO	N VVII TIIN			
THE NEXT TO DATS.	•		*	.4					
PLEASE REFER TO THE A DIRECTIONAL DRILL SURY					OPOSED	RECEIVED			
	44293114		-109-63	5563		OCT 2 4 2007			
			104-63			DIV. OF OIL, GAS & MINING			
14. I hereby certify that the foregoing	is true and correct	•							
Name (Printed/Typed) SHEJLA UPCHEGO		Titl		ADMINIO	Approv	red by the			
Signature, Signature,		Dat	VIOR LAND		EU Otan C	Division of			
MIMMAN.	MAMA)		ober 16, 20	07 (774)	Oil, Gas	and Mining			
	THIS SPACE	FOR F	EDERAL OR S	STATE USE					
Approved by			Title	D	ate: Date	1-06-07			
Conditions of approval, if any, are attached	Approval of this notice does not	verrent or	Office		7	mailth			
certify that the applicant holds legal or equi which would entitle the applicant to conduct	itable title to those rights in the sub	ject lease	Office	В	λ: - 	- DELLA SERVICE			

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the Valited States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NBU #920-26F SE/NW SEC. 26, T9S,R20E UINTAH COUNTY, UTAH UTU-0577-A

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. <u>Estimated Tops of Important Geologic Markers</u>:

Formation	<u>Depth</u>				
Uinta	0- Surface				
Green River	1850'				
Wasatch	5010'				
Mesaverde	8180'				
TD (MD)	10125'				
TVD	10200'				

2. <u>Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations</u>:

Substance	<u>Formation</u>	<u>Depth</u>
	Green River	1850'
Gas	Wasatch	5010'
Gas	Mesaverde	8180'
Water	N/A	
Other Minerals	N/A	

3. <u>Pressure Control Equipment</u> (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. <u>Drilling Fluids Program:</u>

Please see the Natural Buttes Unit SOP.

6. <u>Evaluation Program:</u>

Please see the Natural Buttes Unit SOP.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 10125' TD, approximately equals 4050 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1822.5 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. <u>Variances:</u>

Please see Natural Buttes Unit SOP.

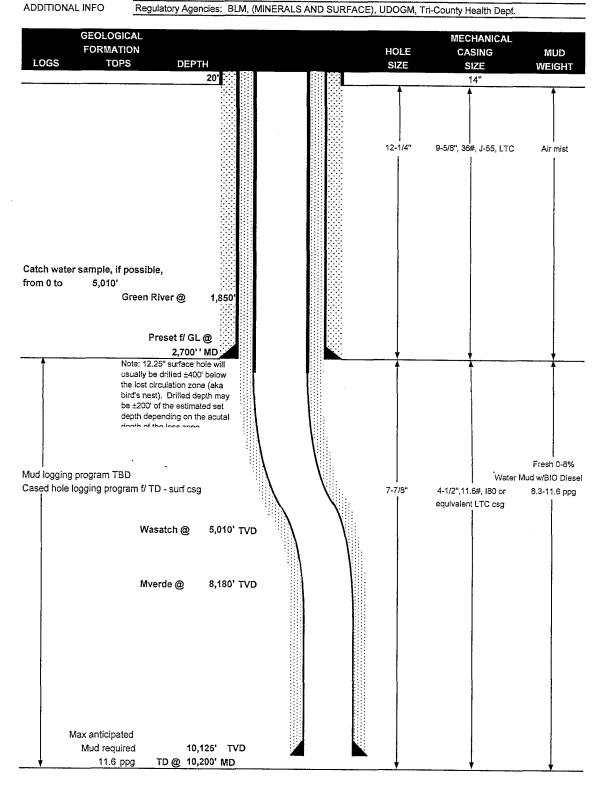
10. Other Information:

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE October 16, 2007 WELL NAME NBU 920-26F TD 10,200' MD 10,125' TVD FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION KB 5,302 SURFACE LOCATION SE/NW SEC. 26, T9S, R20E 1997'FNL, 2053'FWL 40.008042 Longitude: 109.635611 BTM HOLE LOCATION SE/NW SEC. 26, T9S, R20E 2064'FSL, 1890'FWL OBJECTIVE ZONE(S) Wasatch/Mesaverde





KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

								DRS	
	SIZE	INTE	ERVAL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0	-40'						
				1		1 1	3520	2020	453000
SURFACE	9-5/8"	0	to 2700	36.00	J-55	LTC	0.90	1.60	5.93
							7780	6350	201000
PRODUCTION	4-1/2"	0	to 10200	11.60	!-80	LTC	1.99	1.03	1.95
	1		:	- 1					
				l				1	

¹⁾ Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

(Burst Assumptions: TD =

0.0 ppg)

.22 psi/ft = gradient for partially evac wellbore

3909 psi

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

MASP

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1		+ .25 pps flocele				
TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
		+ 2% CaCl + .25 pps flocele				
TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to	surface, o	ption 2 will	be utilized	
Option 2 LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite	360	35%	12.60	1 81
•		+ 25 pps Flocele + 3% sait BWOW	ļ			
TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
		+ .25 pps flocele				
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	7,680'	Premium Lite II + 3% KCI + 0.25 pps	830	60%	11.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender				
TAIL	2,520'	50/50 Poz/G + 10% salt + 2% gel	710	60%	14.30	1.31
		+.1% R-3				

^{*}Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.	,
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.	guide shoe.

ADDITIONAL INFORMATION

rest casing nead to 750 psi after installing.	lest surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart re	corder &
tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equippe	d with upper
& lower kelly valves.	

Drop Totco surveys eve	ry 2000'.	Maximum allowable	hole angle	is 5	degrees

Most rigs have PVT System t	or mud monitoring. If no PVT is available, visual monitoring will be	utilized.
DRILLING ENGINEER:		DATE:
	Brad Laney	
DRILLING SUPERINTENDENT:		DATE:
	Randy Bayne	

²⁾ MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)



Drilling Services

Proposal



ANADARKO - KERR McGEE

NBU 920-26F

UINTAH COUNTY, UTAH

WELL FILE: PLAN 1

DATE: OCTOBER 10, 2007

Weatherford International, Ltd.

15710 John F. Kennedy Blvd Houston, Texas 77032 USA +1.281.260.1300 Main +1.281.260.4730 Fax www.weatherford.com



Weatherford Drilling Services PLAN REPORT LAT, LONG



Page:

Company: Anadarko-Kerr-McGee

Field:

NBU 920-26F Site:

Well: 26F Wellpath:

Date: 10/10/2007 UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method: Site: NBU 920-26F, Grid North

SITE 4853.0

Time: 09:43:18

Well (0.00N,0.00E,247.50Azi)

Minimum Curvature Db: Sybase

,	MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100	Lat ft	min	sec	Long	min	sec	Comme
	4100.00	7.98	247.50	4090.91	-53.30	-128.68	139.28	1.50	40	0	29.293	109	38	7.372	
	4200.00	6.48	247.50	4190.11	-58.12	-140.30	151.86	1.50	40	0	29.247	109	38	7.523	
Ш	4300.00 4400.00	4.98 3.48	247.50 247.50	4289.61 4389.33	-61.94 -64.76	-149.52 -156.33	161.84 169.21	1.50 1.50	40 40	0	29.210 29.184	109 109	38 38	7.642 7.730	1
	4500.00	1.98	247.50	4489.22	-66.58	-160.73	173.97	1.50	40	0	29.166	109	38	7.787	
	4600.00	0.48	247.50	4589.19	-67.40	-162.71	176.11	1.50	40	0	29.158	109	20	7 040	
	4631.81	0.40	247.50	4621.00	-67.45	-162.71	176.11	1.50	40	0	29.158	109	38 38	7.812 7.814	HOLD
Н	4700.00	0.00	247.50	4689.19	-67.45	-162.83	176.25	0.00	40	ŏ	29.158	109	38	7.814	HOLD
Н	4800.00	0.00	247.50	4789.19	-67.45	-162.83	176.25	0.00	40	Ō	29.158	109	38	7.814	
	4900.00	0.00	247.50	4889.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	5000.00	0.00	247.50	4989.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	5020.81	0.00	247.50	5010.00	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	WASATCH
Ш	5100.00	0.00	247.50	5089.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	5200.00	0.00	247.50	5189.19	-67. 4 5	-162.83	176.25	0.00	40	0	29.158		38	7.814	İ
	5300.00	0.00	247.50	5289.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	5400.00	0.00	247.50	5389.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	5500.00	0.00	247.50	5489.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	5600.00 5700.00	0.00	247.50 247.50	5589.19 5689.19	-67.45 -67.45	-162.83 -162.83	176.25	0.00	40	0	29.158		38	7.814	
	5800.00	0.00	247.50	5789.19	-67.45 -67.45	-162.83	176.25 176.25	0.00 0.00	40 40	0	29.158 29.158	109 109	38 38	7.814 7.814	
	5900.00	0.00	247.50	5889.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	6000.00	0.00	247.50	5989.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	6100.00	0.00	247.50	6089.19	-67.45	-162.83	176.25	0.00	40	Ö	29.158		38	7.814	
	6200.00	0.00	247.50	6189.19	-67.45	-162.83	176.25	0.00	40	ő	29.158	109	38	7.814	
	6300.00	0.00	247.50	6289.19	-67.45	-162.83	176.25	0.00	40	ō	29.158	109	38	7.814	
	6400.00	0.00	247.50	6389.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
11	6500.00	0.00	247.50	6489.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
]	6600.00	0.00	247.50	6589.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	İ
	6700.00	0.00	247.50	6689.19	-67.45	-162.83	176.25	0.00	40	0	29.158		38	7.814	
	6800.00	0.00	247.50	6789.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	6900.00	0.00	247.50	6889.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	7000.00	0.00	247.50	6989.19		· -162.83	176.25	0.00	40	0	29.158		38	7.814	
	7100.00	0.00	247.50	7089.19	-67.45	-162.83	176.25	0.00	40	0	29.158		38	7.814	•
	7200.00 7300.00	0.00	247.50 247.50	7189.19	-67.45	-162.83	176.25	0.00	40	0	29.158		38	7.814	
	7300.00	0.00	247.50	7289.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	7400.00	0.00	247.50	7389.19	-67.45	-162.83	176.25	0.00	40	0	29.158		38	7.814	
Ш	7500.00 7600.00	0.00	247.50 247.50	7489.19 7589.19	-67.45 -67.45	-162.83 -162.83	176.25	0.00	40	0	29.158		38	7.814	
	7700.00	0.00	247.50	7689.19	-67.45	-162.83	176.25	0.00	40	0	29.158		38	7.814	
	7800.00		247.50	7789.19		-162.83	176.25 176.25	0.00	40 40	0 0	29.158 29.158		38 38	7.814 7.814	
	7900.00	0.00	247.50	7889.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	8000.00	0.00	247.50	7989.19	-67.45	-162.83	176.25	0.00	40	0	29.158		38	7.814	
	8100.00	0.00	247.50	8089.19	-67.45	-162.83	176.25	0.00	40	Ő	29.158		38	7.814	
	8190.81	0.00	247.50	8180.00	-67.45	-162.83	176.25	0.00	40	Ō	29.158	109	38	7.814	MESAVERD
	8200.00	0.00	247.50	8189.19	-67,45	-162.83	176.25	0.00	40	0	29.158		38	7.814	
	8300.00	0.00	247.50	8289.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	8400.00	0.00	247.50	8389.19	-67.45	~162.83	176.25	0.00	40	0	29.158		38	7.814	
4 1	8500.00	0.00	247.50	8489.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
	8600.00 8700.00	0.00 0.00	247.50 247.50	8589.19 8689.19	-67.45 -67.45	-162.83 -162.83	176.25	0.00	40	0	29,158 29,158		38	7.814	
		0.00	271.00	0003.13	-01.40	-162.83	176.25	0.00	40	0	29.108	109	38	7.814	
	8800.00	0.00	247.50	8789.19	-67.45	-162.83	176.25	0.00	40	0	29.158		38	7.814	
		0.00	247.50 247.50 247.50	8789.19 8889.19 8989.19	-67.45 -67.45 -67.45	-162.83 -162.83 -162.83	176.25 176.25 176.25	0.00 0.00 0.00	40 40 40	0	29.158 29.158 29.158	109	38 38 38	7.814 7.814 7.814	



Weatherford Drilling Services PLAN REPORT LAT, LONG

Date:



Company: Anadarko-Kerr-McGee

Field:

NBU 920-26F

Well: 26F Wellpath: 1

Site:

UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Co-ordinate(NE) Reference: Vertical (TVD) Reference:

Section (VS) Reference: Survey Calculation Method:

10/10/2007

Time: 09:43:18

Site: NBU 920-26F, Grid North

SITE 4853.0

Well (0.00N,0.00E,247.50Azi) Minimum Curvature

Db: Sybase

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100t	Lat t	min	sec	Long	min	sec	Comm
9100.00	0.00	247.50	9089.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
9200.00	0.00	247.50	9189.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
9300.00	0.00	247.50	9289.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
9400.00	0.00	247.50	9389.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
9500.00	0.00	247.50	9489.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
9600.00	0.00	247.50	9589.19	-67.45	-162.83	176.25	0.00	40	Ō	29.158	109	38	7.814	
9700.00	0.00	247.50	9689.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
9800.00	0.00	247.50	9789.19	-67.45	-162.83	176.25	0.00	40	0	29,158	109	38	7.814	
9900.00	0.00	247.50	9889.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
10000.00	0.00	247.50	9989.19	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
10100.00	0.00	247.50	1.00e04	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
10200.00	0.00	247.50	1.01e04	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	
10210.81	0.00	247.50	1.02e04	-67.45	-162.83	176.25	0.00	40	0	29.158	109	38	7.814	PBHL

T	`ar	g	e	t

Name	Descripti Dip.	on Dir.	TVD ft	+N/-S ft	+E/-W	Map Northing ft	Map Easting ft		Latitude> Min Sec	< Lor Deg Mi	ngitude> n Sec
PBHL -Circle (Ra -Plan hit ta		1	0200.00	-67.45	-162.83	14531919.042	2022516.33	40	0 29.158 N	109 38	7.814 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2800.00	2800.00	9.62	12.25	9 5/8"

Annotation

MD ft	TVD ft		
		KOD	
2900.00 3300.24	2900.00 3298.94	KOP HOLD	*
4098.16	4089.08	DROP	
4631.81	4621.00	HOLD	
10210.81	10200.00	PBHL	

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5020.81	5010.00	WASATCH		0.00	0.00
8190.81	8180.00	MESAVERDE		0.00	0.00

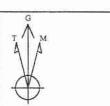




ANADARKO KERR MCGEE OIL & GAS NBU 920-26F UINTAH COUNTY, UTAH



Weatherford



Azimuths to Grid North True North: -0.88° Magnetic North: 10.75°

Magnetic Field Strength: 52728nT Dip Angle: 65,97° Date: 10/5/2007 Model: bggm2006

				S	ECTION DE	TAILS				
Sec		Inc	Azi	TVD	÷N/-S	÷E/-W	DLeg	TFace	VSec	Тагде
1	0_00	0.00	247,50	0.00	0.00	0.00	0.00	0.00	0.00	
2	2900,00	0.00	247.50	2900 00	0.00	0.00	0.00	0.00	0.00	
3	3300.24	8.00	247.50	3298.94	-10.68	-25.79	2.00	247.50	27.91	
4	4098.16	8.00	247.50	4089 08	-53.21	-128.44	0.00	0.00	139 03	
5	4631.81	0.00	247_50	4621.00	-67.45	-162.83	1.50	180.00	176.25	
6	10210.81	0.00	247.50	10200.00	-67.45	-162.83	0.00	247.50	176.25	PBHI

				WELL DETAIL	LS		
Name	÷N/-S	÷E/-W	Northing	Easting	Latitude	Longitude	Slot
26F	0.00	0.00	14531986.49	2022679_15	40°00'29,800N	109°38'05,708W	N/A

CASING DETAILS No. TVD MD Name Size 2800.00 2800_00 9 5/8" 9,62

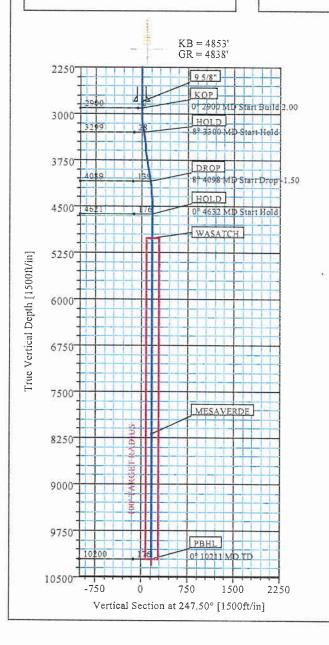
FORMATION TOP DETAILS No. TVDPath MDPath 5010.00 8180.00 WASATCH MESAVERDE 5020 81 8190 81

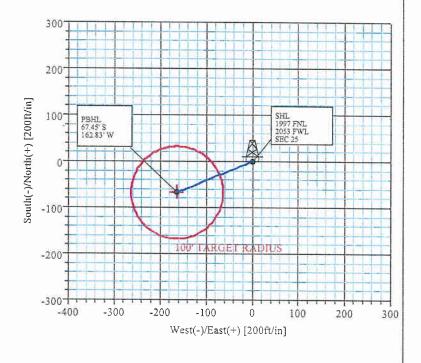
FIELD DETAILS

UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Geodetic System: Universal Transverse Mercator (USfeet)
Ellipsoid: NAD27 (Clarke 1866)
Zone: UTM Zone 12, North 114W to 108W
Magnetic Model: bggm2006

System Datum: Mean Sea Level Local North: Grid North





Plan: Plan #1 26F (26F/1)

Created By: R. JOYNER,

Date: 10/10/2007



Weatherford Drilling Services PLAN REPORT LAT, LONG



Company: Anadarko-Kerr-McGee

Field:

Site: NBU 920-26F

Well: 26F Wellpath:

UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

10/10/2007 Date: Time: 09:43:18 Co-ordinate(NE) Reference:

Site: NBU 920-26F, Grid North

Minimum Curvature

Vertical (TVD) Reference: SITE 4853.0 Section (VS) Reference:

Well (0.00N, 0.00E, 247.50Azi)

Db: Sybase

Plan:

Plan #1 26F

Yes

Date Composed:

Survey Calculation Method:

Version:

Tied-to:

From Surface

Field:

Principal:

UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Map System: Universal Transverse Mercator (USfeet)

Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level

Map Zone:

UTM Zone 12, North 114W to 108W

Coordinate System: Geomagnetic Model: Site Centre bggm2006

10/5/2007

Site: NBU 920-26F

1997 FNL, 2053' FWL SEC25 T9S R20E

Site Position: Geographic

Position Uncertainty:

Easting:

Northing: 14531986.49 ft 2022679.15 ft

+N/-S

ft

0.00

Latitude: Longitude:

29.800 N 40 0 5.708 W

109 38 North Reference: Grid Convergence:

Grid

Ground Level:

0.00 ft 4838.00 ft

Slot Name:

0.88 deg

Well: Well Position:

+N/-S

0.00

+E/-W

0.00 ft Northing: 14531986.49 ft 0.00 ft Easting: 2022679.15 ft

Latitude: Longitude:

40 0 29.800 N 109 38 5.708 W

Position Uncertainty:

0.00 ft

Drilled From:

Tie-on Depth:

Surface

0.00 ft Mean Sea Level

Current Datum: Magnetic Data:

Wellpath:

10/5/2007 52728 nT Height 4853.00 ft Above System Datum: Declination: Mag Dip Angle:

11.63 deg 65.97 deg

Field Strength: Vertical Section: Depth From (TVD) ft

+E/-W ft

Direction

deg 0.00 247.50

Plan Section Information

MID ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100t	Build t deg/100f	Turn t deg/100ft	TFO deg	Target	
0.00	0.00	247.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2900.00	0.00	247.50	2900.00	0.00	0.00	0.00	0.00	0.00	0.00		
3300.24	8.00	247.50	3298.94	-10.68	-25.79	2.00	2.00	0.00	247.50		
4098.16	8.00	247.50	4089.08	-53.21	-128,44	-0.00	0.00	0.00	0.00		
4631.81	0.00	247.50	4621.00	-67.45	-162.83	1.50	¹ -1.50	0.00	180.00		*
10210.81	0.00	247.50	10200.00	-67.45	-162.83	0.00	0.00	0.00	247.50	PBHL	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100	Lat ft	min	sec	Long	min	sec	Comm
2800.00	0.00	247.50	2800.00	0.00	0.00	0.00	0.00	40	0	29.800	109	38	5.708	9 5/8"
2900.00	0.00	247.50	2900.00	0.00	0.00	0.00	0.00	40	0	29.800	109	38	5.708	KOP
3000.00	2.00	247.50	2999.98	-0.67	-1.61	1.75	2.00	40	0	29.794	109	38	5.729	
3100.00	4.00	247.50	3099.84	-2 .67	-6.45	6.98	2,00	40	0	29.775	109	38	5.791	
3200.00	6.00	247.50	3199.45	-6.01	-14.50	15.69	2.00	40	0	29.743	109	38	5.896	
3300.00	8.00	247.50	3298.70	-10.67	-25.76	27.88	2.00	40	0	29.698	109	38	6.041	
3300.24	8.00	247.50	3298.94	-10.68	-25.79	27.91	1.99	40	0	29.698	109	38	6.042	HOLD
3400.00	8.00	247.50	3397.73	-16.00	-38.62	41.81	0.00	40	0	29.648	109	38	6.208	
3500.00	8.00	247.50	3496.75	-21.33	-51.49	55.73	0.00	40	Ō	29.597	109	38	6.374	
3600.00	8.00	247.50	3595.78	-26.66	-64.35	69.66	0.00	40	0	29.546	109	38	6.540	
3700.00	8.00	247.50	3694.80	-31.99	-77.22	83.58	0.00	40	0	29.496	109	38	6.707	
3800.00	8.00	247.50	3793.83	-37.32	-90.08	97.51	0.00	40	ō	29.445	109	38	6.873	
3900.00	8.00	247.50	3892.86	-42.65	-102.95	111.43	0.00	40	ō	29.394	109	38	7.040	
4000.00	8.00	247.50	3991.88	-47.98	-115.82	125.36	0.00	40	Ö	29.343	109	38	7.206	
4098.16	8.00	247.50	4089.08	-53.21	-128.44	139.03	0.00	40	Ō	29.294	109	38	7.369	DROP



Kerr-McGee Oil & Gas Onshore LP 1999 Broadway, Suite 3700 Denver, CO 80205

October 17, 2007

Mrs. Diana Mason Division of Oil, Gas and Mining P.O. Box 145801 Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11

NBU 920-26F
T9S R20E
Section 26: SENW
SENW 1997' FNL, 2053' FWL (surface)
SENW 2064' FNL, 1890' FWL (bottom hole)
Uintah County, Utah

Dear Mrs. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 920-26F is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore and the W/2 of Section 26 (federal lease USA UTU-0577A).

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

James C. Colligan III Landman

NOV 0 1 2007

RECEIVED

DIV. OF OIL, GAS & MINING

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

6. If Indian, Allottee or Tribe Name

UTU-0577-A

UREAU OF LAND MANAGEMENT

5. Lease Serial No.

SUNDRY	NOTICES AND REPORTS ON WELLS	

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Change Plans Plug and Abandon Temporarily Abandon Final Abandonment Notice Plug Back Water Disposal OPERATIONS Plug Back Water Disposal		000 1 01111 0100 0 (Al D)	i ioi oudii pioposui.	<i>.</i>	1		
Solution Solution	SUBMIT IN TRIPL	ICATE – Other instru	ctions on revers	e side	ł	U	
2. Name of Operator KERR-McGEE OIL & GAS ONSHORE LP 3a. Address 3b. Phone No. (include area code) 1368 SOUTH 1200 EAST VERNAL, UT 84078 (435) 781-7024 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SURFACE: SE/NW SEC. 26, T9S, R20E LOT4, 1997'FNL, 2053'FWL BOTTOM: SE/NW SEC. 26, T9S, R20E LOT4, 2064'FSL, 1890'FWL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Acidize Deepen Production (Start/Resume) Alter Casing Fracture Treat Reclamation Well Integrity Other FINAL DRILLI Change Plans Plug and Abandon Temporarily Abandon OPERATIONS OPERATIONS	l. Type of Well				NATURAL	BUTTES UNIT	
Subsequent Report Casing Repair New Construction Plug Back New Construction Plug Back New Construction Plug Back National New Construction Plug Back National New Construction Plug Back National New Construction New Construction Plug Back New Construction Plug Back New Construction Plug Back National New Construction New Construction New Construction Plug Back National	Oil Well X Gas Well	Oil Well X Gas Well Other					
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SURFACE: SE/NW SEC. 26, T9S, R20E LOT4, 1997'FNL, 2053'FWL BOTTOM: SE/NW SEC. 26, T9S, R20E LOT4, 2064'FSL, 1890'FWL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Acidize Acidize Production (Start/Resume) Alter Casing Fracture Treat Reclamation Well Integrity Well Integrity Casing Repair Change Plans Plug and Abandon Temporarily Abandon OPERATIONS Final Abandonment Notice OPERATIONS	2. Name of Operator				NBU 920	-26F	
1368 SOUTH 1200 EAST VERNAL, UT 84078 (435) 781-7024 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SURFACE: SE/NW SEC. 26, T9S, R20E LOT4, 1997'FNL, 2053'FWL BOTTOM: SE/NW SEC. 26, T9S, R20E LOT4, 2064'FSL, 1890'FWL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Acidize Deepen Production (Start/Resume) Alter Casing Fracture Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Other FINAL DRILLI Change Plans Plug and Abandon Temporarily Abandon OPERATIONS Final Abandonment Notice	KERR-McGEE OIL & GAS	KERR-McGEE OIL & GAS ONSHORE LP					
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SURFACE: SE/NW SEC. 26, T9S, R20E LOT4, 1997'FNL, 2053'FWL BOTTOM: SE/NW SEC. 26, T9S, R20E LOT4, 2064'FSL, 1890'FWL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Water Shut-Off Alter Casing Fracture Treat Reclamation Well Integrity Well Integrity Well Integrity Change Plans Plug and Abandon Temporarily Abandon OPERATIONS Final Abandonment Notice Convert to Injection Plug Back Water Disposal	3a. Address	le area code)	430473701	5			
SURFACE: SE/NW SEC. 26, T9S, R20E LOT4, 1997'FNL, 2053'FWL BOTTOM: SE/NW SEC. 26, T9S, R20E LOT4, 2064'FSL, 1890'FWL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Acidize Deepen Production (Start/Resume) Water Shut-Off Alter Casing Fracture Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Other FINAL DRILLI Change Plans Plug and Abandon Plug Back Water Disposal	1368 SOUTH 1200 EAST VERNAL, UT 84078 (435) 781-7024					ool, or Exploratory Area	
SURFACE: SE/NW SEC. 26, T9S, R20E LOT4, 1997'FNL, 2053'FWL BOTTOM: SE/NW SEC. 26, T9S, R20E LOT4, 2064'FSL, 1890'FWL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Acidize Deepen Production (Start/Resume) Alter Casing Fracture Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Other FINAL DRILLI Change Plans Plug and Abandon Temporarily Abandon OPERATIONS Final Abandonment Notice Convert to Injection Plug Back Water Disposal	4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	n)		NATURAL BUTTES		
BOTTOM: SE/NW SEC. 26, T9S, R20E LOT4, 2064'FSL, 1890'FWL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent					11. County or I	Parish, State	
TYPE OF SUBMISSION TYPE OF ACTION Acidize Deepen Production (Start/Resume) Water Shut-Off Alter Casing Fracture Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Other FINAL DRILLI Change Plans Plug and Abandon Temporarily Abandon OPERATIONS Final Abandonment Notice Convert to Injection Plug Back Water Disposal		•	•		UINTAH COUNTY, UTAH		
Notice of Intent Acidize Deepen Production (Start/Resume) Water Shut-Off Alter Casing Fracture Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Yother FINAL DRILLI Change Plans Plug and Abandon Temporarily Abandon OPERATIONS Final Abandonment Notice Convert to Injection Plug Back Water Disposal	12. CHECK APP	ROPRIATE BOX(ES) TO I	INDICATE NATURE	OF NOTICE, R	EPORT, OR O	THER DATA	
Alter Casing Fracture Treat Reclamation Well Integrity Subsequent Report Danie Plug and Abandon Temporarily Abandon Final Abandonment Notice Plug Back Water Disposal Well Integrity Other FINAL DRILLI OPERATIONS	TYPE OF SUBMISSION		TY	PE OF ACTION	1		
Change Plans Plug and Abandon Temporarily Abandon OPERATIONS Final Abandonment Notice Plug Back Water Disposal			= :	=	•	Well Integrity	
		Change Plans	Plug and Abandon	Temporari	ly Abandon		
13. Paparing I reposed of Combiners obstances forestly saw an barrillow asterior melacing contribute of the All Michael Mole and abbit which including contribute of the All Michael Mole and abbit which including contribute of the All Michael Mole and abbit which including contribute of the All Michael Mole and abbit which including the All Michael Mole and abbit which including the All Michael Mole and Al		<u> </u>				and approximate duration thereof.	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

FINISHED DRILLING FROM 2760' TO 10,015' ON 11/10/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/595 SX PREM LITE II @11.6 PPG 2.73 YIELD. TAILED CMT W/1402 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROPPED PLUG & DISPLACE W/154.5 BBLS FRESH WATER @3000 PSI BUMPED PLUG @3500 PSI FLOATS HELD W/1.5 BBL RETURNS GOOD RETURNS THROUGHOUT CMT JOB, W/100 BBLS LEAD CMT TO SURFACE N/DN NOP & SET ON PRODUCTION CSG W/100K STRING WEIGHT ROUGH CUT 4 1/2" PRODUCTION CSG. L/OUT SAME RDRT.

RELEASED PIONEER RIG 54 ON 11/11/2007 AT 0400 HRS.

			
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	Title		
SHEILA UPCHEGO	SENIOR LAND ADM	IN SPECIALIST	
Manual Market	November 12, 2007		
THIS SPACE	E FOR FEDERAL OR STATE	USE	
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not verify that the applicant holds legal or equitable title to those rights in the subwhich would entitle the applicant to conduct operations thereon.			
Title 18 IIS C Section 1001 make it a crime for any person kno	wingly and willfully to make to	o any department or agency of the Drue States and	-11

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the later o



UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

I ITI 1-0577-A

SUNDRY	NOTICES AND REPORT	SONW	/ELLS		UTU-0577-A
	form for proposals to			an	6. If Indian, Allottee or Tribe Name
	Use Form 3160-3 (APD				,
					7 YELL A CA /A A New and/a Na
SURMIT IN TRIPI	ICATE – Other instru	etio ne	on rovers	o cido	7. If Unit or CA/Agreement, Name and/or No.
OODMIT IN THIT E	IOATE - Other man	CHOIIS	on revers	e side	UNIT #891008900A
1. Type of Well					NATURAL BUTTES UNIT
Oil Well X Gas Well	Other				8. Well Name and No.
2. Name of Operator					NBU 920-26F
•	01/01/08#1#				
KERR-McGEE OIL & GAS	<u> </u>	· · · · ·			9. API Well No.
3a. Address		1	none No. (inclu	de area code)	4304737015
1368 SOUTH 1200 EAST \			781-7024		10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Descriptio	n)			NATURAL BUTTES
					11. County or Parish, State
SURFACE: SE/NW SEC. 20	6, T9S, R20E LOT4, 19	997'FNI	L, 2053'FW	Ľ	HINTALL COLINTY LITALI
BOTTOM: SE/NW SEC. 26, T9S, R20E LOT4, 2064'FSL, 1890'FWL					UINTAH COUNTY, UTAH
					REPORT, OR OTHER DATA
TYPE OF SUBMISSION	T				
1 FFE OF SUBMISSION			1 Y	PE OF ACTION	JN
Notice of Intent	Acidize	☐ Dee	pen	Producti	on (Start/Resume)
_	Alter Casing		ture Treat	Reclama	tion
X Subsequent Report	Casing Repair	☐ Nev	v Construction	Recomp	
	Change Plans	Plug	g and Abandon		rily Abandon START-UP
Final Abandonment Notice	Convert to Injection	Plug	g Back	Water D	isposal
following completion of the involved	operations. If the operation results bandonment Notices shall be file	ılts in a mı	ultiple completion	on or recompletion	quired subsequent reports shall be filed within 30 days in in a new interval, a Form 3160-4 shall be filed once clamation, have been completed, and the operator has
THE SUBJECT WELL LOC	ATION WAS PLACED	ON PF	RODUCTIO	N ON 02/20	D/2008 AT 10:00 AM.
PLEASE REFER TO THE A	TTACHED CHRONOL	-OGICA	AL WELL H	IISTORY.	RECEIVED
					FEB 2 5 2008
					DIV. OF OIL, GAS & MINING
14 11 12 12 12					
14. I hereby certify that the foregoing	is true and correct	Lena			
Name (Printed/Typed) SHEJLA UPCHEGO	_	Title		D ADMIN SI	DECIALIST
Signatur	7	Date		ADMIN SI	LOIALIOT
II Mulle	UNDAAN .		ruary 21, 2	800	
	THIS SPAC		EDERAL OR		
Approved by			Title		Date
	-		1160		
Conditions of approval, if any, are attached certify that the applicant holds legal or equ which would entitle the applicant to conduc	itable title to those rights in the sul		Office		
Title 18 U.S.C. Section 1001, make	it a crime for any person kno	owingly a	nd willfully to	make to any o	lepartment or agency of the United States any

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Anadarko Petroleum Corporation 1368 South 1200 East Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

NBU 920-26F

LOCATION SENW, SEC.26, T9S, R20E UINTAH COUNTY, UT

DATE 10/17/07	ACTIVITY LOCATION COMPLETED	ENSIGN 83	STATUS P/L IN, WOBR	
10/16/07	SET CONDUCTOR	ENSIGN 83	DRILLING	
10/22/07	9-5/8" @ 2744'	ENSIGN 83	WORT	
10/30/07	TD: 2760' Csg. 9 5/8"@ 2 Spot rig and RURT.	2744' MW: 8.4	SD: 10/xx/07	DSS: 0
10/31/07	TD: 8900' Csg. 9 5/8"@: LDDS. Run Triple Combo. Ru	2015' MW: 11.7 n 4 ½" Production Casin	SD: 10/23/07 g. CCH @ report time.	DSS: 9
11/01/07	TD: 4135' Csg. 9 5/8"@ 2 Rotary spud @ 0600 hrs 10/31		SD: 10/31/07 1 2760'-4135'. DA.	DSS: 1
11/02/07	TD: 5455' Csg. 9 5/8"@ 2 Directional drill from 4135'-545	2744' MW: 9.8 5'. DA. Top of Wasatch	SD: 10/31/07 @ 5033'.	DSS: 2
11/05/07	TD: 7620' Csg. 9 5/8"@ 2 Directional drill from 5455'-7476	2744' MW: 10.4 6'. TFNB and lay down (DSS: 5 7620'. DA.
11/06/07	TD: 8440' Csg. 9 5/8"@ 2 Drill from 7620'-8440'. DA.	2744' MW: 10.8	SD: 10/31/07	DSS: 6
11/07/07	TD: 8832' Csg. 9 5/8"@ 2 Drill from 8440'-8832'. TFNB @		SD: 10/31/07	DSS: 7
11/08/07	TD: 9235' Csg. 9 5/8"@ 2 Finish bit trip. Repair draw wor	2744' MW: 11.9 rks. Drill f/ 8832'-9235'.	SD: 10/31/07 DA @ report time.	DSS: 8
11/09/07	TD: 9928' Csg. 9 5/8"@ 2 Drill f/ 9235'-9928'. DA @ repo		SD: 10/31/07	DSS: 9
11/12/07	TD: 10015' Csg. 9 5/8"@ 2 Drill f/ 9928'-10015'. CCH, sho ND, set slips, and rls rig @ 040	ort trip, and LDDS. Run I	SD: 10/31/07 ogs to TD. Run and cmt e rig to 920-25N. RURT	DSS: 11 4.5" prod csg. @ report time.
02/11/08	24 HR FORECAST: PREP TO 35D TO LOC. MIRU, NDWH. MILL, BIT SUB, & RIH P/U TBO REV CIRC W/ 2% KCL & CIRC JTS ON TRAILER, EOT @ 90	NUBOPE. PREP & TAL G OFF TRAILER. TAG I C WELL CLEAN W/ 60 B	.LY 2 3/8" L-80 8RD 4.7# PBTD @ 9922'. R/U PMI	FTBG. P/U 3 7/8" P & LINES. BRK

02/12/08

24 HR FORECAST: READY TO PERF & FRAC MESA VERDE / WASATCH IN AM. SUMMARY: PERF STG 1, PREP TO FRAC IN AM. COST: \$7,435 / \$72,445

02/13/08

PERF AND FRAC

Days on Completion: 3

PERF	æ	F	RA	Č

	453			OPERATION DETAILS
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00-12:30	5.50	36 P	8	HSM. MIRU CUTTERS, P/U 3 3/5' EXP PERF GUNS & RIH. SHOOT 16 HOLES F/ 9836' - 40', P/U SHOOT 16 HOLES F/ 9720' - 24', P/U SHOOT 6 HOLES F/ 9662' - 66', POOH, MIRU WEATHERFORD FRAC. PRIME PMP'S & PSI TST LINES TO 9500# (HELD). BEG FRAC. STG 1: BRK DWN PERF'S @ 4204#, EST INJ RT @ 50.6 BPM @ 5150#, ISIP 3165#, FG .77, TREAT STG 1 W/72,000# SAND TAILED IN W/ 5000# TLC SAND W/SLK WTR. TOT CL FL 2163 BBLS. ISIP 3400#, NPI 205#, FG .79
12:30-14:00	1.50	36 P	3	P/U 3 3/8" PERF GUNS & 4 1/2" WTFD 10K CBP & RIH. SET CBP @ 9226". P/U SHOOT 20 HOLES F/ 9161" - 98", P/U SHOOT 20 HOLES F/ 9161" - 47", POOH. SRK DWN PERP'S @ 41224, EST INJ RT @ 50.2 SPM @ 63696, ISIP 32184, FG .79. TREAT STG 2 W/ 26,4004 SAND TAILED IN W/ 5003# TLC SAND W SLK WTR. TOT CL FL 931 SBLS. ISIP 34664, NPI 230#, FG .62
14:00-15:00	2.08	36.7	5	P/U 3 3/8" PERF GUNS & 4 1/2" WTFD 10K, CBP & RIH. SET CBP @ 9015", P/U SHOOT 28 HOLES F/ 8678" - 85", P/U SHOOT 6 HOLES F/ 8927" - 30", P/U SHOOT 6 HOLES F/ 8963" - 58", POOH. BRK DWN PERFS @ 3721#, EST INJ RT @ 50.7 SPM @ 5490#, ISIP 3090#, FG .7e, TREAT STG 3 W/ 94,976# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2354 BBLS. ISIP 3480#, NPI 354#, FG .83
16:00-19:30	2.50	36 ₽	Э	P/U 3 3/8" PERF GUNS & 4 1/2" WTFD 6K CBP & RIH. SET CBP @ 8644", P/U SHOOT 28 HOLES F/ 8507" - 14", P/U SHOOT 6 HOLES F/ 8553" - 56", P/U SHOOT 6 HOLES F/ 8513" - 16", POOH, BRK DWN PERFS @ 2950#, EST INJ RT @ 60.6 BPM @ 4950#, ISIP 2338#, FG .72, TREAT STG 4 W/ 148,500# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL PL 3968 BBLS. ISIP 3191#, NPI 855#, FG .92.
18:30-19:00	0.50	36 P	- 5	WINTERIZE W.H. DRAIN PMP'S & LINES. SWI. SDFN

02/16/08

FLOWBACK REPORT: CP 1900#, TP 1500#, CK 20/64", 50 BWPH, LOAD REC'D 5390 BBLS,

REMAINING LTR 6785 BBLS

02/17/08

FLOWBACK REPORT: CP 2600#, TP 1450#, CK 20/64", 35 BWPH, LOAD REC'D 935 BBLS,

REMAINING LTR 5850 BBLS

02/18/08

FLOWBACK REPORT: CP 2300#, TP 1325#, CK 20/64", 25 BWPH, LOAD REC'D 654 BBLS,

REMAINING LTR 5196 BBLS

• Form 3160-4 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Expires: November 30, 2000

5. Lease Serial No.

	***		71) 1	ioit ()	LOOM	L		. Οιτι				UTU-	0577A			
1a. Type of	Well	Oil W	Vell 🔀	Gas		Dry	Ot	her					6. If	Indian, A	Allottee or	Tribe N	lame
b. Type of	Completion		X Ne	w		Work Over		Deepen	☐ Plu	ug Back	Diff.	Resvr.					
			Other_										1		Agreeme		e and No.
2. Name of	Operator														08900A		
KERR-N	ICGEE (OIL & G	SAS OI	NSHC	DRE I	LP										II NO.	
3. Address												NBU 920-26F 9. API Well No.					
1368 S0	OUTH 12	00 EAS	ST. VE	RNAI	L. UT	AH 840	78			(435)	781-702	24	1				
	4. Location of Well (Report locations clearly and in accordance with Federal requirements) *											4304737015					
Atomico CE/NIM/4007IENI COCOIEMI LOTA											10. Field and Pool, or Exploratory						
At surface	At surface SE/NW 1997'FNL, 2053'FWL LOT 4											NATURAL BUTTES 11. Sec., T., R., M., or Block and					
At top prod. interval reported below Survey or Area SEC. 26, T9S,										iu 3, T9S, R20E							
12. County or Parish												13. State					
At total dep	oth 200	10 4				rul		per		> rev		<u>د</u>	UINT				UTAH
14. Date S	•			Date T		ached		•		e Complete D & A		ly to Prod.			(DF, RK	B, RT,	GL)*
10/16/0	7		11	/10/0	7				02/20		1100	.y 10 110 u .	4838	GL			
18. Total I			10.01		19. PI	ug Back T.	D.:	MD	9922			20. Depth	Bridge I	Plug Set:			
	TV		1000	ليق	<u> </u>			TVD	991	0					TVD	-	
21. Type E	Electric & Ot	her Mech	anical Lo	gs Run	(Subm	nt copy of e	ach)				22. Was	well cored DST run?	NO 1241 ?		Yes (Subi Yes (Subi		
CBI -CØ	L-GR F	CHE	enw	ר הו		D (N)	1 1	تناه	of I	104	1	ctional Sur	_		Yes (S		
	and Liner R							aut	e' ($\mu\nu$,				FJ)
	Size/Grade						(D)	Stage Cer	nenter	No. of	Sks. &	Slurry V	ol.	Comont	Fa=*		
				Top (M	ענו)	Bottom (N	(עוגי	Dept	h		Cement	(BBL)		Cement 7	гор.		ount Pulled
20"	14"	36.7				40'					SX						
12 1/4"	9 5/8"	32.3				2760	_				SX				·		
7 7/8"	4 1/2"	11.6	#			10,01	5'			199	7 SX						
24. Tubing	Record	l								<u> </u>						-	
Size	Depth Se	t (MD)	Packer	Depth (MD)	Size		Depth Se	(MD)	Packer De	epth (MD)	Siz	æ	Depth	Set (MD)	Pa	ker Set (MD)
2 3/8"	900																
			<u> </u>									<u> </u>				<u> </u>	
25. Produc	ing Interval							26. Perfo					1 57	** 1	· · · · · · · · · · · · · · · · · · ·	- C C	
	Formation			Top					forated Interval Size 308'-8034' 0.36		No. Holes		Perf. S				
	WASATO IESAVER			5308 8513			5308'-8034' 8513'-9840'		0.36		160			OPEN OPEN			
	IESAVEI	NDE	-	001		3040	'	0.	313-3	10 00-10		0.00		100		01 211	
<u>C)</u> D)																	
	Fracture, Tre	atment, C	ement So	ueeze,	Etc.										L		
	Depth Inter	val								Amount as		Material		RE	SEIV	/En	
	5308'-80					BLS SL							ţ.	* * * * * * * * * * * * * * * * * * * *			<u></u>
	8513'-98	<u>40'</u>	PI	<u> 11P 94</u>	126 B	BLS SL	<u>ICK</u>	H2O &	<u>329,8</u>	75# 30/	50 SD		ę	-MAI	28	2008	
											-						
28 Produc	tion - Interv	n1 A											D I\	I. OF OI	L, GAS	& MIN	NG
Date First	Test	Hours	Test	Oil		Gas	Wate		Oil Grav	rity	Gas			on Method			
Produced	Date	Tested	Production			MCF	BBL		Согг. АН	PI	Gravity				===		
	02/22/08		2477	- 07	0	1,718	777.	589	0.1 0		Well Statu		<u> </u>	FLOV	VS FRO	N MC	'ELL
Choke Size	Tbg. Press. Flwg. 1062#	Csg. Press.	24 Hr. Rate	Oil BBL	,	Gas MCF	Wate		Oil Grav Corr. Al	-	Wen Statu	s					
20/64	SI	1950#	\rightarrow	٠	0	1718		589				PF	RODU	CING	SAS W	ELL .	
	iction - Inter										·						
Date First Produced	Test Date	Hours Tested	Test Production	Oil on BBL		Gas MCF	Wate BBL		Oil Grav Corr. Al	-	Gas Gravity		Producti	on Method	ļ		
	02/22/08	l .	- Sudding	DDL	0	1718	222	589	Con. Al	•	l			FLOV	VS FRO	N MC	/ELL
Choke	Tbg. Press.	Csg.	24 Hr.	Oil		Gas	Wate	эт Э	Oil Grav	-	Well Statu	S					
Size 20/64	Flwg. 1062# SI	Press. 1950#	Rate	BBL	0	MCF 1718	BBL	589	Corr. Al	?I	1	DE	יו וט	כואום נ	3AS W	FII	
20/04	J	1930#			J	1 1/10		JUJ				, ,	,000	<u> </u>	J, (O V V		

28b. Pro	duction - Inte	erval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status			
28c. Pro	duction - Inte	rval D		1							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status			
SOLD	29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD 30. Summary of Porous Zones (Include Aquifers): 31. Formation (Log) Markers										
30. Sum	mary of Poro	us Zones (1	nciude Aqui	irers):				31. Formatio	on (Log) Markers		
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.											
Fo	rmation	Тор	Bottom		Descrij	ptions, Conten	ts, etc.		Name	Top Meas. Depth	
WASATCH									·		
32. Additional remarks (include plugging procedure):											
1. I	33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 5. Core Analysis 7. Other:										
36. I her	eby certify th	at the foreg	going and att	ached infor	mation is cor	nplete and cor	rect as determined	from all available	e records (see attached in	structions)*	
Nam	e (please pri	nt) SHE	ILA UPC	HEGO_	-		Title _	SENIOR	LAND ADMIN SP	ECIALIST	
	ature	N	ul	0/1	pel	regi	Date _	03/25/08			
Title 18	U.S.C. Sectio	n 1001 and	Title 43 U.S	.C. Section	1212, make it	a crime for an	y person knowingly	and willfully to n	nake to any department or	r agency of the United	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Job Number: 073217505606 Company: Kerr McGee (Anadarko)

Lease/Well: NBU 920-26F Location: Uintah County, Utah Rig Name: Delsco Northwest

RKB:

G.L. or M.S.L.:

State/Country: Utah/USA Declination: 10.75° Grid: East To Grid

File name: F:\SURVEY\2007SU~1\KERRMC~1\NBU92026.SVY

Date/Time: 26-Dec-07 / 10:43 Curve Name: Surface - 9900' M.D.

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method Vertical Section Plane 247.50

Vertical Section Referenced to offset from Wellhead: EW =.00 Ft , NS=.00 Ft Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TRUE Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
0	0	0	0	0	0	0	0	0	0
100	0.75	264.04	100	-0.07	-0.65	0.63	0.65	264.04	0.75
200	1.25	305.13	199.98	0.49	-2.19	1.84	2.25	282.63	0.84
300	1.25	315.67	299.96	1.9	-3.85	2.83	4.29	296.27	0.23
400	1	309.76	399.94	3.24	-5.28	3.64	6.19	301.51	0.28
500	1	300.85	499.92	4.24	-6.7	4.57	7.93	302.34	0.16
600	1	323.94	599.91	5.4	-7.96	5.29	9.62	304.12	0.4
700	1	315.03	699.89	6.72	-9.09	5.83		306.46	0.16
800	0.75	304.12	799.88	7.7	-10.25	6.52		306.92	0.3
900	1	265.22	899.87	8	-11.66	7.72	14.14	304.44	0.63
1000	0.75	265.31	999.86	7.87	-13.19	9.17		300.84	0.25
1100	0	0	1099.86	7.82	-13.84	9.79		299.47	0.75
1200	0.75	282.49	1199.85	7.96	-14.48	10.33		298.8	0.75
1300	1.25	5.57	1299.84	9.19	-15.01	10.35		301.47	1.38
1400	0.75	348.66	1399.83	10.91	-15.03	9.71		305.98	0.58
1500	1	0.75	1499.82	12.43	-15.15	9.24		309.36	0.31
1600	1.75	5.84	1599.79	14.82	-14.98	8.17		314.69	0.76
1700	2.5	24.94	1699.72	18.32	-13.91	5.84		322.79	1.02
1800	3	24.03	1799.6	22.68	-11.92	2.34		332.27	0.5
1900	2.5	16.11	1899.49	27.17	-10.25	-0.93			0.63
2000	2	15.2	1999.41	30.95	-9.19	-3.35		343.46	0.5
2100	1.75	7.29	2099.36	34.15	-8.54	-5.18		345.96	0.36
2200	2	17.39	2199.3	37.33	-7.82	-7.06		348.16	0.41
2300	1.75	1.92	2299.25	40.52	-7.25	-8.81		349.85	0.56
2400	1.5	13.02	2399.21	43.32	-6.9	-10.2		350.94	0.4
2500	1.5	357.1	2499.18	45.9	-6.68	-11.4		351.72	0.42
2600	1.5	8.2	2599.14	48.51	-6.56	-12.51			0.29
2700	1.25		2699.11	50.86	-6.65	-13.32			0.6
2800	0.5		2799.1	52.35	-6.88	-13.67			0.8
2900	0	0	2899.1	52.78	-6.84	-13.88	53.22	352.61	0.5

3000	2.25	230.58	2999.08	51.53	-8.36	-12	52.21	350.79	2.25
3100	3.5	229.7	3098.95	48.31	-12.2	-7.21	49.83	345.82	1.25
3200	4.75	230.82	3198.69	43.72	-17.74	-0.34	47.18	337.92	1.25
3300	6.75	227.99	3298.18	37.17	-25.32	9.16	44.97	325.74	2.02
3400	8.5	232.19	3397.29	28.71	-35.52	21.83	45.67	308.94	1.84
3500	8	237.27	3496.26	20.41	-47.22	35.81	51.44	293.38	0.88
3600	7.25	239.32	3595.37	13.43	-58.5	48.9	60.02	282.93	0.8
3700	. 8	238.46	3694.49	6.57	-69.85	62.02	70.16	275.38	0.76
3800	8.25	237.56	3793.48	-0.92	-81.84	75.96	81.85	269.36	0.28
3900	7.25	236.59	3892.57	-8.24	-93.16	89.22	93.53	264.95	1.01
4000	6.5	234.63	3991.85	-14.99	-103.05	100.94	104.13	261.72	0.79
4100	6.5	231.71	4091.21	-21.77	-112.1	111.9	114.2	259.01	0.33
4200	6	232.78	4190.61	-28.44	-120.71	122.4	124.01	256.74	0.51
4300	5.25	229.28	4290.13	-34.59	-128.34	131.81	132.92	254.92	0.82
4400	3.75	229.32	4389.82	-39.71	-134.29	139.26	140.03	253.53	1.5
4500	3	224.39	4489.65	-43.71	-138.6	144.77	145.32	252.5	0.8
4600	2.5	209.46	4589.53	-47.48	-141.5	148.9	149.25	251.45	0.87
4700	1.75	230.56	4689.46	-50.34	-143.75	152.08	152.31	250.7	1.07
4800	2	211.64	4789.41	-52.8	-145.85	154.95	155.11	250.1	0.66
4900	1.5	184.72	4889.37	-55.59	-146.87	156.96	157.04	249.27	0.95
5000	2	183.81	4989.32	-58.64	- 147.09	158.34	158.35	248.27	0.5
5100	1.75	179.9	5089.26	-61.9	-147.21	159.69	159.69	247.19	0.28
5200	1.75	160.99	5189.22	-64.87	-146.71	160.37	160.41	246.14	0.57
5300	1.5	157.08	5289.18	-67.52	-145.7	160.45	160.59	245.13	0.27
5400	1.75	161.17	5389.14	-70.17	-144.7	160.54	160.82	244.13	0.28
5500	1	153.27	5489.11	-72.4	-143.81	160.57	161.01	243.28	0.77
5600	1.75	171.35	5589.08	-74.69	-143.19	160.87	161.5	242.45	0.86
5700	1.25	209.45	5689.05	-77.15	-143.5	162.1	162.92	241.74	1.09
5800	1.75	300.54	5789.02	-77.32	-145.35	163.87	164.63	241.99	2.17
5900	1.5	302.63	5888.98	-75.84	-147.76	165.54	166.09	242.83	0.26
6000	2	306.72	5988.94	-74.09	-150.27	167.18	167.54	243.75	0.52
6100	2	296.81	6088.88	-72.26	-153.22	169.21	169.41	244.75	0.35
6200	1.75	292.9	6188.82	-70.88	-156.19	171.42	171.52	245.59	0.28
6300	2.25	284.45	6288.76	-69.8	-159.49	174.06	174.1	246.37	0.58
6400	1.75	281.54	6388.7	-69	-162.89	176.9	176.9	247.04	0.51
6500	1.75	284.63	6488.65	-68.31	-165.86	179.38	179.38	247.62	0.09
6600	1.5	283.72	6588.61	-67.61	-168.61	181.65	181.66	248.15	0.25
6700	1.25	273.81	6688.59	-67.23	-170.97	183.69	183.72	248.53	0.34
6800	1.5	278.9	6788.56	-66.95	-173.35	185.78	185.83	248.88	0.28
6900	1.25	269.99	6888.53	-66.75	-175.74	187.91	187.99	249.2	0.33
7000	1	275.08	6988.51	-66.68	-177.7	189.69	189.79	249.43	0.27
7100	1	310.16	7088.49	-66.04	-179.23	190.86	191.01	249.77	0.6
7200	1	309.26	7188.48	-64.92	-180.58	191.67	191.89	250.23	0.02
7300	1.25	301.35	7288.46	-63.8	-182.18	192.73	193.03	250.7	0.29
7400	1	290.44	7388.44	-62.93	-183.93	194.01	194.4	251.11	0.33
7500	1	279.53	7488.43	-62.48	-185.61	195.39	195.84	251.4	0.19
7600	0.5	248.62	7588.42	-62.49	-186.88	196.57	197.05	251.51	0.63
7700	1	262.71	7688.41	-62.76	-188.15	197.85	198.34	251.55	0.53
7800	1	295.8	7788.39	-62.49	-189.8	199.27	199.82	251.78	0.57
7900	0.5	282.89	7888.38	-62.02	-191.01	200.21	200.83	252.01	0.52
8000	0	0	7988.38	-61.92	-191.44	200.56	201.2	252.08	0.5
8100	0	0	8088.38	-61.92	-191.44	200.56	201.2	252.08	0

N-S 1	E-W
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8200	0.25	209.16	8188.38	-62.11	-191.54	200.73	201.36	252.03	0.25
8300	0.5	162.7	8288.38	-62.72	-191.52	200.94	201.53	251.87	0.37
8400	1	145.79	8388.37	-63.86	-190.9	200.81	201.3	251.5	0.54
8500	1.25	164.88	8488.35	-65.63	-190.12	200.77	201.13	250.96	0.45
8600	1	190.97	8588.33	-67.54	-190.01	201.39	201.65	250.43	0.56
8700	1.25	189.06	8688.32	-69.47	-190.34	202.44	202.63	249.95	0.25
8800	1.5	187.15	8788.29	-71.85	-190.68	203.66	203.77	249.35	0.25
8900	1	164.24	8888.26	-73.99	-190.6	204.41	204.46	248.78	0.7
9000	1	149.33	8988.25	-75.58	-189.92	204.39	204.41	248.3	0.26
9100	1.25	149.42	9088.23	-77.27	-188.92	204.11	204.11	247.76	0.25
9200	1	160.51	9188.21	-79.03	-188.08	204	204.01	247.21	0.33
9300	1	164.6	9288.19	-80.69	-187.55	204.16	204.18	246.72	0.07
9400	1.25	165.69	9388.17	-82.59	-187.05	204.42	204.47	246.18	0.25
9500	1.5	134.78	9488.15	-84.57	-185.85	204.07	204.19	245.53	0.77
9600	2	152.86	9588.1	-87.05	-184.13	203.42	203.67	244.7	0.74
9700	1	152.96	9688.07	-89.38	-182.94	203.21	203.6	243.96	1
9800	1.75	134.05	9788.04	-91.21	-181.44	202.54	203.08	243.31	0.87
9900	1	119.15	9888.01	-92.7	-179.58	201.39	202.1	242.7	0.82